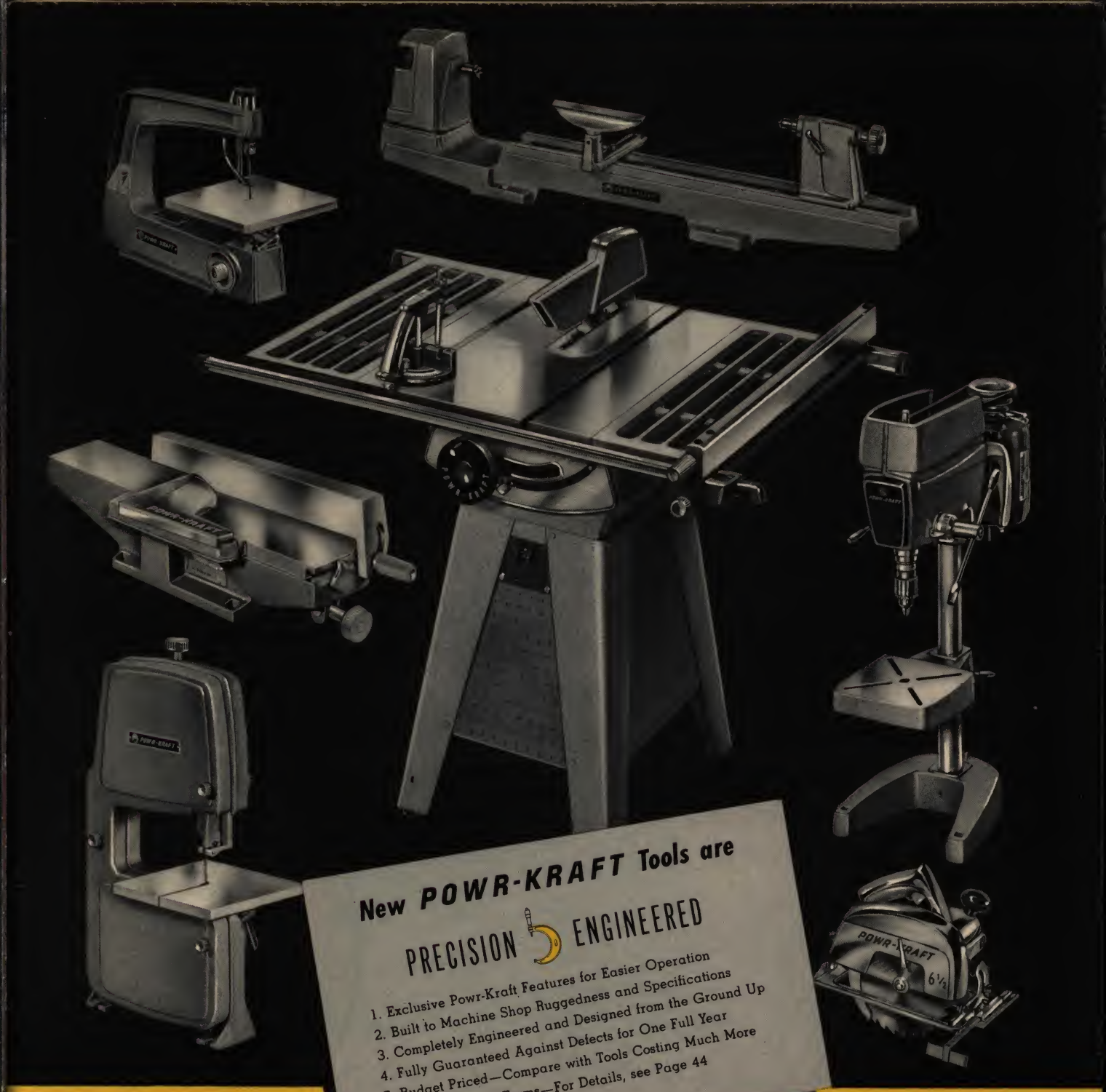


New POWR-KRAFT Tools are

PRECISION ENGINEERED

1. Exclusive Powr-Kraft Features for Easier Operation
2. Built to Machine Shop Ruggedness and Specifications
3. Completely Engineered and Designed from the Ground Up
4. Fully Guaranteed Against Defects for One Full Year
5. Budget Priced—Compare with Tools Costing Much More
6. Easy to Buy on Terms—For Details, see Page 44

Contains Over 350 Items Not Listed In General Catalog

Index On Page 8

ANNOUNCING NEW 1958 POWR-KRAFT

POWER TOOLS

MONTGOMERY WARD • BALTIMORE • ALBANY

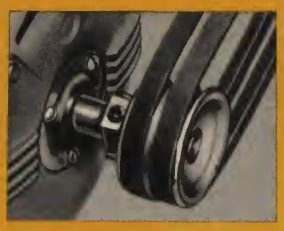
Only 10-in. Power Saw in America With These 4 Outstanding Features



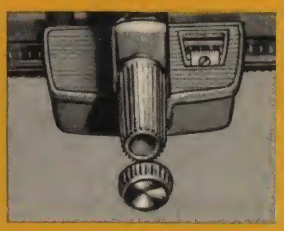
1 knob—push to adjust blade height; pull for blade tilt. 3-wing locking knob holds setting firmly.



Miter gauge with built-in stops at 0 and 45°. Has holes for mounting pistol grip—holds work steady.

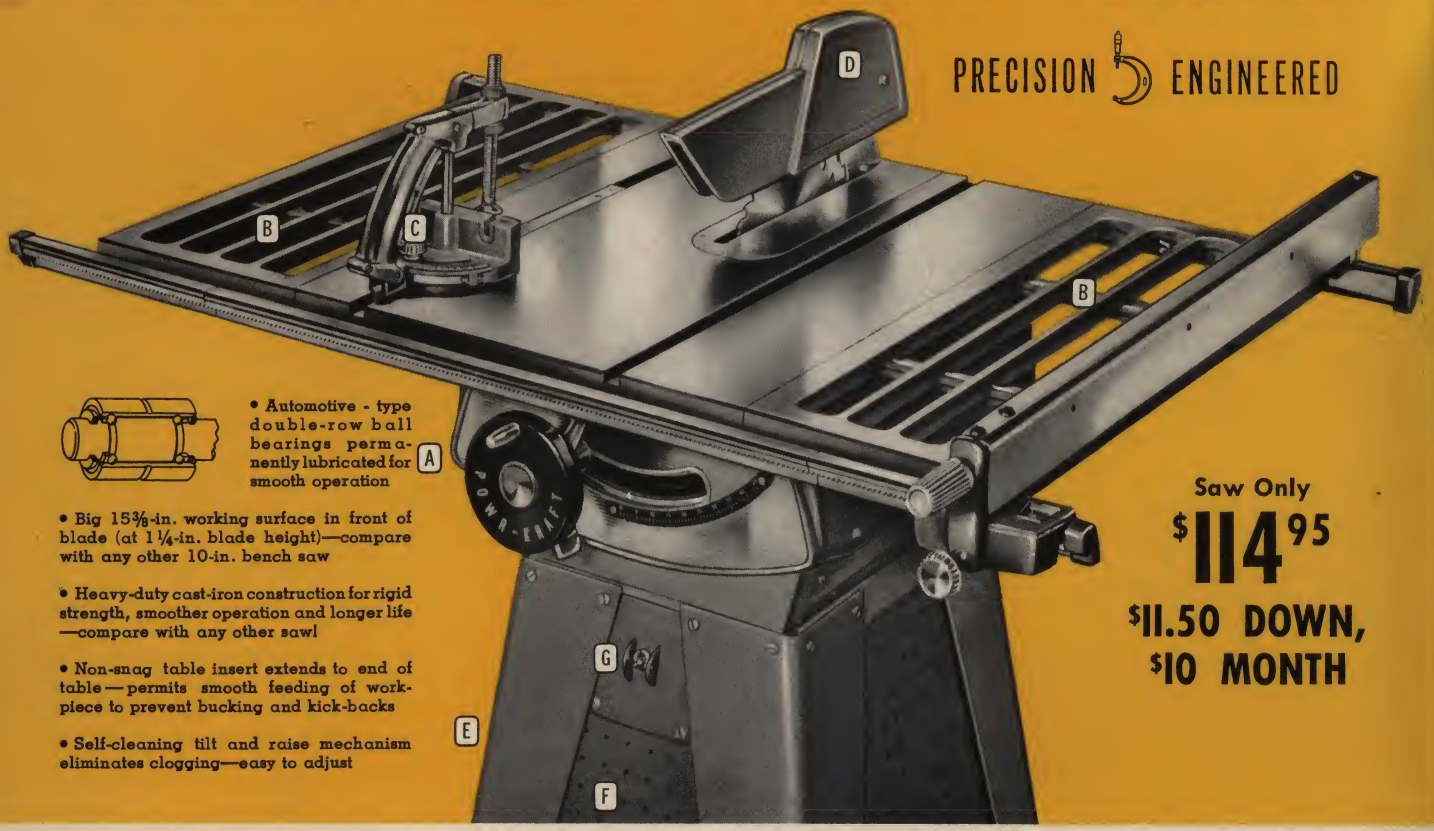


Dual-Belt Drive delivers more HP to blade, minimizes power-wasting slippage for greater efficiency.



Micro-adjustable self-squaring rip fence locks down to table front and rear with a single, convenient knob.

PRECISION ENGINEERED



• **Automotive - type double-row ball bearings permanently lubricated for smooth operation** (A)

• **Big 15⅜-in. working surface in front of blade (at 1¼-in. blade height)—compare with any other 10-in. bench saw**

• **Heavy-duty cast-iron construction for rigid strength, smoother operation and longer life—compare with any other saw!**

• **Non-snag table insert extends to end of table—permits smooth feeding of workpiece to prevent bucking and kick-backs**

• **Self-cleaning tilt and raise mechanism eliminates clogging—easy to adjust**

Saw Only

$114.95

$11.50 DOWN, $10 MONTH

(A) ***POWR-KRAFT* 10-in. Tilting Arbor Bench Saw.** Wards finest circular saw with four exclusive Powr-Kraft features plus many other time- and work-saving conveniences and construction details usually found only on saws selling for much more.

Massive heavy-duty construction means less vibration, greater accuracy, longer life. Extra-large 20x27-in. cast-iron table allows 10½-in. rip cut without extensions. Arbor has permanently-lubricated double-row ball bearings that are sealed for life.

Blade tilt and raise are easily adjusted with single wheel control—3-wing lock holds setting. Blade, arbor and motor tilt as one unit to 45°. Tilting mechanism has new, improved self-locking gear arrangement. Self-aligning rip fence has micro adjustment, locks down to table front and rear with one handy knob. Miter gauge has built-in stops at 0 and 45°; permits use of pistol grip (C). Double "V" belt drive reduces slippage—delivers more power to saw blade for greater efficiency. With 10-in. all-purpose blade, motor mount, rip fence, miter gauge, double machine and motor pulleys and 35-in. V belts. Only $10 Monthly for this fine saw. *Not Mailable.*

84 WC 3333 R—Ship. wt. 118 lbs. $11.50 Down..... Cash **$114.95**

Bench Saw with ¾ HP Ball Bearing Capacitor Motor. *Not Mailable.*

84 WC 3338 R—Ship. wt. 162 lbs. $14.50 Down.....Cash **$143.50**

Complete Saw Outfit. Saw (A) with 7 accessories and ¾ HP motor. Everything you need to start work—just set it up and plug it in. Includes: saw (A), two table extensions (B), miter gauge pistol grip (C), saw guard (D), stand (E), peg-board panels (F), on-off switch (G) and ¾ HP capacitor motor (1), Page 12.

84WC2253 R–Ship. wt. 243 lbs. Only $21.50 Down, $14 Month.....or Cash **$212.00**

SPECIFICATIONS

Depth of Cut, Maximum	3½ inches
Depth of Cut at 45°	2⅜ inches
Blade Tilt, Maximum	45°
Controls, tilt and raise	1 front knob
Blade Size	10-in. diam., ⅝-in. bore
Arbor Size	⅝-in. diam.
Main Table Size	20x27 in.
Table Size, with extensions	40x27 in.
Distance Ahead of Blade	15⅜ in.
Rip Fence Length	33 inches
Base Dimensions	12⅜x15⅝ in.
Finish	Powr-Kraft Beige
Bearings	Double Row Sealed Ball
Dado Recommended	84 WCP 3300
Stand Recommended	84 WC 2937MB
Saw Guard Recom.	84 WC 3335
Arbor Speed Recom.	3450 RPM
Motor Recom.	¾-HP, 3450 RPM
Sanding Wheel Recom.	84 WC 2285
Molding Cutter Recom.	84 WC 2267
Double Machine Pulley (incl.)	2x⅝ in.
Double Motor Pulley (incl.)	2x⅝ in.
2 Matched "V" Belts (incl.)	⅜x35 in.

(B) **Table Extensions** for saw (A). Fence bars included. Each 10x27 in. Ship. wt. 23 lbs. *Mailable.*

84 WC 3334 MB—Each Side **$12.50**

Table Inserts for (A). Ship. wt. 1 lb. 8 oz.

84 WC 3336—For dados to 1 in.. . .**$1.49**

84 WC 3337—For molding cutter .. **1.49**

(C) **Miter Gauge Pistol Grip** for (A). Clamps work firmly to miter gauge.

84 WCP 3444—*Mailed Postpaid*... **$9.95**

(D) **Saw Guard and Splitter** for saw (A).

84 WC 3335—Ship. wt. 4 lbs. .**$10.50**

(E) **Stand** for saw (A). Rigid all-steel construction. 4 mounting rails. 22x19x24 in. high. Beige finish.

84 WC 2937 MB—Ship. wt. 25 lbs. **$13.95**

(F) **Pegboard Panels** for stand (E).

84WCP3390 M–*Pstpd.*.Set of 4, **$4.95**

(G) **On-Off Switch** for (A). *Postpaid.*

84WCP3381–Can be padlocked.**$4.45**

Double Groove "V" Pulley. For use with motors that have ¾-in. diam. shaft.

84 WC 2879—Ship. wt. 4 oz. **$1.15**

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Six Big Reasons Why

POWR-KRAFT PRECISION ENGINEERED POWER TOOLS ARE AMONG THE FINEST WOODWORKING TOOLS YOU CAN BUY

1. Exclusive POWR-KRAFT Features

POWR-KRAFT TOOLS HAVE EXCLUSIVE FEATURES that make it possible for you to do professional-quality work faster, easier and more accurately than ever before. Powr-Kraft tools were designed especially for Wards by nationally-known power tool manufacturers and built to meet exacting specifications.

2. Rugged Yet Precision Accurate

POWR-KRAFT TOOLS ARE RUGGEDLY CONSTRUCTED to provide smoother operation and long, trouble-free service. Heavy-duty cast-iron frames give greater strength and rigidity and minimize vibration. In addition, all Powr-Kraft tools are precision accurate and do neater work, give professional-quality results.

3. Engineered from Ground Up

COMPLETELY RE-DESIGNED FROM THE GROUND UP by industrial engineers with long experience in the power tool field, Powr-Kraft tools represent the combination of the latest developments in creative engineering, the finest quality materials available and precision production techniques.

4. Guaranteed for One Full Year

POWR-KRAFT TOOLS ARE GUARANTEED—order with confidence. If any tool shows defects in workmanship or materials under normal use, Wards will repair it at no charge if returned within one year from date of purchase. Repair parts are always available for prompt, dependable service.

5. Low Price for High Quality

WARDS STREAMLINED DISTRIBUTION, coupled with the economies of Wards methods of doing business, make it possible for us to offer these fine tools at surprisingly low prices. Compare price and quality anywhere for your proof of the outstanding value of the new Powr-Kraft woodworking power tools.

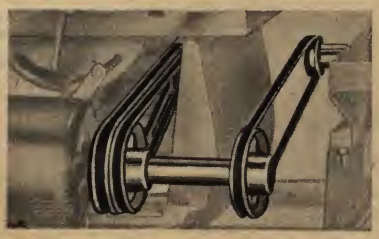
6. Easy to Buy on Monthly Terms

FOR ONLY 10% DOWN, you can completely equip your workshop with brand new Powr-Kraft tools and enjoy the many benefits of their use while you are paying for them on the convenient Ward Monthly Payment Plan. See Page 44 for complete details on Wards Monthly Terms and Shipping Information.

Save Money, Save Space... Use Only 1 Stand and 1 Motor

OPERATE BOTH SAW AND JOINTER AT THE SAME TIME—A WARD EXCLUSIVE!

- **POWR-KRAFT Saw-Jointer Combination gives you the 2 most wanted tools in a single unit**
- **Save space and money—you need only one stand and one motor for the Saw-Jointer**
- **Save time—cut wood on saw, then quickly finish it on jointer without moving motor**



One motor operates both tools at same time



Saves you the purchase price of extra stand and motor

(H) **POWR-KRAFT Saw-Jointer Combination** gives you industrial precision and professional capacities—plus all the compactness and versatility you need in your home workshop. Because both saw and jointer are operated from a single motor and are mounted on a single stand, you save the price of an additional stand and motor. Also, you save space and time by having both tools in a single, compact unit.

Creative engineering makes it possible to use the Powr-Kraft 10-in. Tilt Arbor Saw and the Powr-Kraft 4-in. Jointer in combination without loss of operational features or capacities of either tool.

Both saw and jointer can be operated at any saw blade height without disconnecting the jointer. *Powr-Kraft is the only 10-in. saw-jointer combination that lets you switch power from one tool to the other without the work and delay of moving motor.*

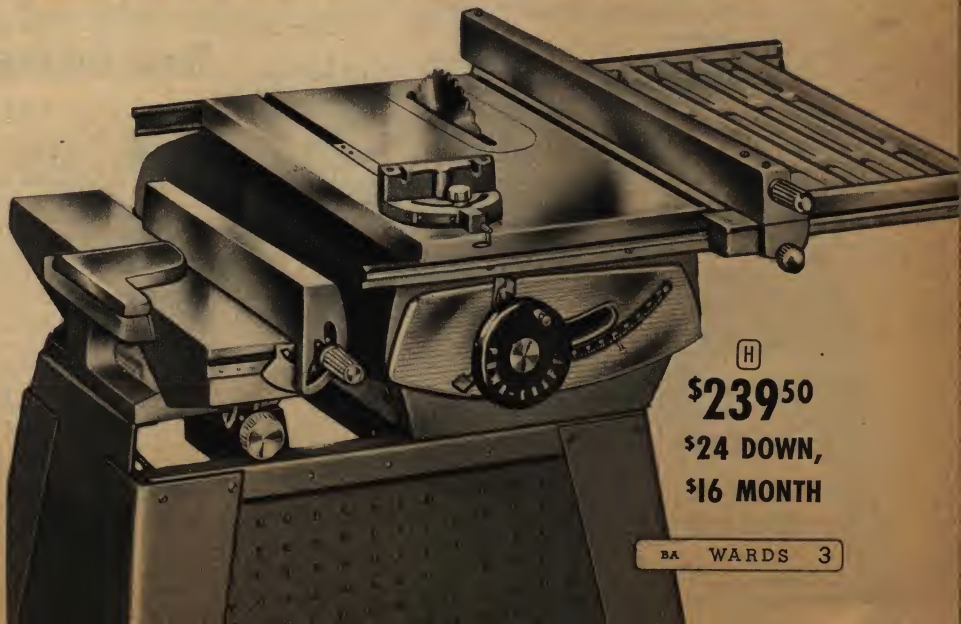
Saw-Jointer Outfit. Everything you need to start work. Miter gauge pistol grip and other accessories sold on facing page. Includes: bench saw (A); jointer described under (14) Pg. 5; stand (E); adapter kit (below); one table extension (B), ¾ HP motor (1), Pg. 12. Pegboard panels sold on Pg. 4. Ship. wt. 272 lbs.

84 WC 3305R—*Not Mailable.* $24 Dn.....Cash **$239.50**

Saw-Jointer Adapter Kit. Makes it possible for you to buy Powr-Kraft 10-in. Bench Saw now and add Powr-Kraft 4-in. Jointer at a later date. Includes everything you need to mount both saw and jointer on same stand (E), and to use same motor to operate both tools.

Includes: saw stand extensions, jointer mounting brackets, V-belt, jointer and motor pulleys, motor shaft extension and pulley guard.

84 WC 3339 M—Ship. wt. 18 lbs. *Mailable*.....**$15.75**



(H) **$239.50**

$24 DOWN, $16 MONTH

Greater Cutting Capacity Than Any 9-in. Saw We Know of

CUTS TO 3¼-IN. DEPTH—TO 2-IN. DEPTH AT 45°



Wards latest model Tilting Arbor Bench Saw with improved design, improved features. Has as much cutting capacity as some 10-in. saws. View above shows big 3¼-in. depth of cut at 90°. Will cut to 2-in. depth at 45°.

[1] Saw Only **$81.50**

$8.50 DOWN

PRECISION ENGINEERED

All New! *POWR-KRAFT* 9-In. Tilting Arbor Bench Saw

- **Automotive-type double-row ball bearings permanently sealed, lubricated for life—give smooth operation**
- **Heavy-duty cast-iron mechanism, more rigid, less vibration for accurate work and longer life of saw**
- **Non-snag table insert permits constant, smooth workpiece feed. Non-clogging tilt and raise mechanisms**

[1] Gives you 18% more cutting depth than other 9-in. saws—actually as much cutting capacity as some 10-in. models. Built to industrial standards for long life, accurate work in professional or home workshop. Cuts to 3¼-in. depth at 90°, to 2-in. depth at 45°. Automotive-type double-row ball bearings permanently sealed, lubricated for life. Special translating hinged-type motor mount provides positive drive. Includes motor mount, rip fence, miter gauge, 4-in. motor pulley, 2-in. machine pulley, "V" belt. Beige finish. Fits stand (5) at right. *Mailable.* $8 Monthly.

84 WC 3486 MO—Saw only. Ship. wt. 63 lbs. $8.50 Down.....Cash **$81.50**

84 WC 3487 YO—Saw with ¾-HP motor, belt, pulley. Wt. 93 lbs.....**109.50**

Complete Saw Outfit with ¾-HP motor, belt, pulley, stand, key switch, pistol grip, 2 extensions, peg-board panels, saw guard. Available after Oct. 15.

84 WC 3488 YO—$16 Down, $11 Month. Ship. wt. 162 lbs.....Cash **$159.50**

Table Inserts. For (1) above. Cast aluminum. Ship. wt. each 7 oz.

84 WC 3482—Dado Insert. For dados up to 1-in. thick.....**$1.35**

84 WC 3483—Molding Insert. For standard molding heads..... **1.35**

SPECIFICATIONS

Depth of Cut, Maximum	3¼ in.
Depth of Cut at 45°	2 in.
Blade Tilt, Maximum	45°
Control, tilt and raise	1 front knob
Blade Size	9-in. diam., ⅝-in. bore
Main Table Size	17x20 in.
Table Size, extensions	34x20 in.
Distance Ahead of Blade	11 in.
Rip Fence	22 in. x 2⅛-in. high
Base Dimensions	12⅜x15⅝ in.
Motor Arbor Size	⅝ in.
Dado Recommended	84WCP3300
Arbor Speed Recom	3450 RPM
Sanding Wheel Recom.	84WC2285

[2] **Saw Guard for (1) at left.** 84 WC 3491—Wt. 4 lbs.....**$6.45**

[3] **Table Extensions** for (1). Fence bars included. Ship. wt. 17 lbs. 84 WC 3478 MB—*Mail.* Each **$10.25**

[4] **Miter Gauge Pistol Grip** for (1). Clamps work firmly to gauge. 84 WCP 3444—*Postpaid*.....**$9.95**

[5] **Stand for (1).** 4 mounting rails. 84 WC 2937 MB–Wt. 25 lbs. **$13.95**

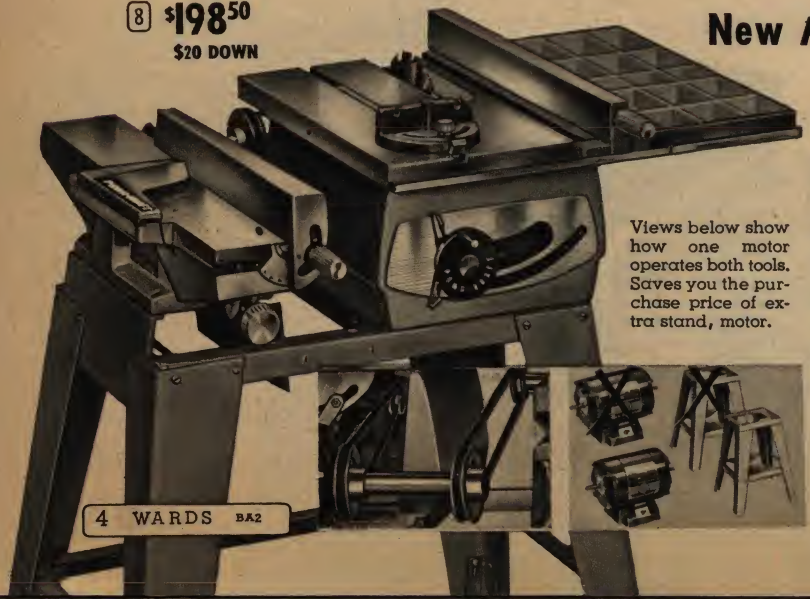
[6] **Pegboard Panels** for stand (5). 84 WCP 3390 M—*Postpaid*

Set of 4.....**$4.95**

[7] **On-Off Switch** for (1). *Postpaid.* 84 WCP 3381 .....**$4.45**

[8] **$198.50**

$20 DOWN



Views below show how one motor operates both tools. Saves you the purchase price of extra stand, motor.

New *POWR-KRAFT* 9-In. Saw-Jointer

YOU NEED ONLY ONE MOTOR AND ONE STAND

[8] **Buy this combination to:** SAVE MONEY—buy one stand and one motor for 2 tools; SAVE SPACE—1 stand takes less space; SAVE TIME—cut wood with saw and finish it on jointer, quickly. Two of the most wanted tools in one unit. Both tools will operate simultaneously at any blade height. Includes: 9-in. saw jointer, stand, adapter kit listed below, 1 extension and ¾-HP motor. *Not Mailable.* Shipping weight 195 lbs. Available after Oct. 15.

84 WC 3497 YO—Only $20 Down, $14 Month.....Cash **$198.50**

Adapter Kit. If you have 8 in. or 9 in. Powr-Kraft saw and stand, you need only this kit and jointer on opposite page to have saw-jointer combination—no extra stand or motor needed. Includes: stand extensions, jointer mounting brackets, belt, 2 pulleys, motor shaft extension. *Mailable.*

84 WC 3349 M—Ship. wt. 17 lbs.....**$14.95**

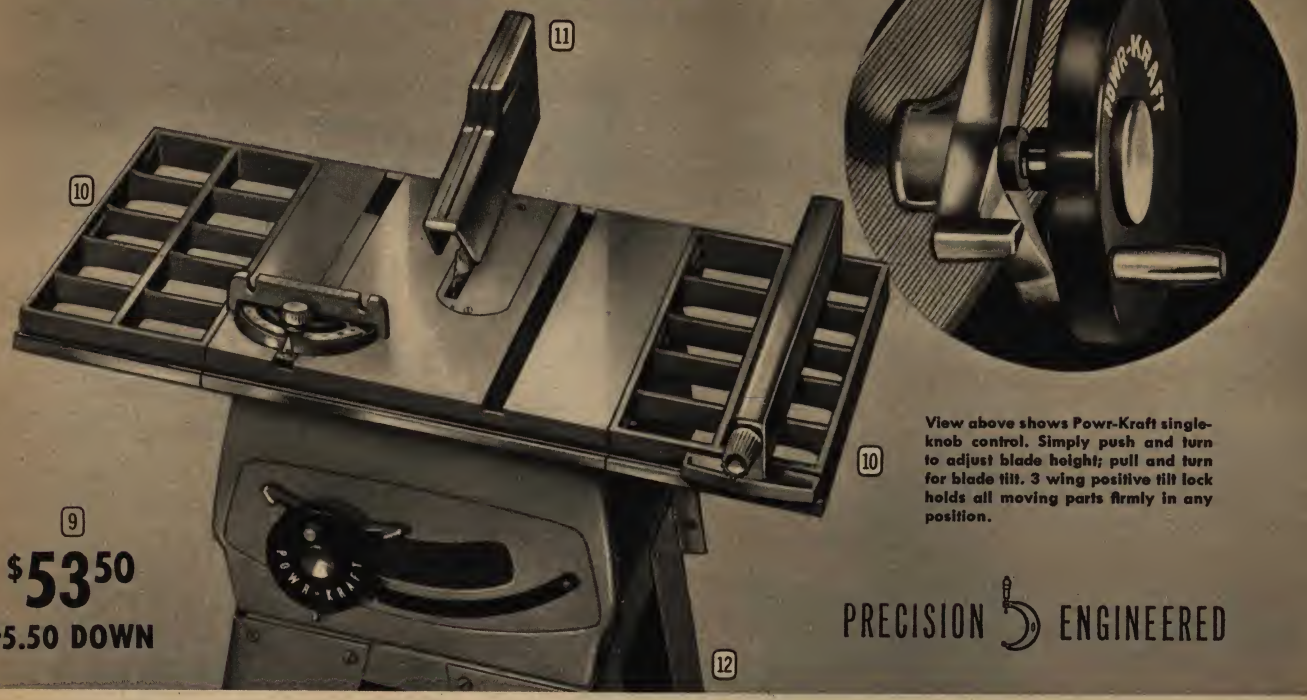
Pegboard Panels for stand (5) when used to mount saw and jointer as combination. Shipped promptly from Stock.

84 WCP 3391 M—*Mailed Postpaid*.....Set of 4 **$6.95**

GUARANTEE. ***POWR-KRAFT*** Power Tools listed on these two pages are fully guaranteed against defects in workmanship for one year.

POWR-KRAFT 8-In. Saw with Positive Tilt Lock

HOLDS BLADE RIGID IN ANY POSITION



View above shows Powr-Kraft single-knob control. Simply push and turn to adjust blade height; pull and turn for blade tilt. 3 wing positive tilt lock holds all moving parts firmly in any position.

9

$53.50

$5.50 DOWN

PRECISION ENGINEERED

POWR-KRAFT 8-In. Bench Saw Outperforms Others In Its Price Range

- **Double row ball bearings, grease sealed for life**
- **Self-squaring rip fence locked front and rear by 1 knob**
- **Adequate 14x17-in. table area, enough for most jobs**
- **8½-in. table area in front of blade for ample work space**

9 **8-In. Tilting Arbor Bench Saw.** Has many features of more expensive saws. Fast acting, single front knob control for raising, lowering and tilting blade. Extra cutting depth for handling large capacity work; extra working surface in front of blade. Fast-working gear control mechanism. Will cut a finished 2x4. ⅝-in. arbor has double grease-sealed ball bearings. 14x17-in. table area in all. Self-squaring rip fence. Includes: fixed hinged motor mount, miter gauge, rip fence. Fits stand (5) on opposite page. Powr-Kraft beige finish. Ship. wt. 59 lbs. *Mailable.*

84 WC 3331MO—$5.50 Down on Terms, $5 Month.....Cash **$53.50**

Saw (9) with ½-HP motor, 4-in. pulley, ⅜x37-in. "V" belt. *Mailable.*

84 WC 3347YO—Ship. wt. 88 lbs. $8.50 Down, $8 Month....Cash **$81.50**

Bench Saw Outfit. Includes: saw (9), 2 extensions (10), guard (11), stand (12), pulley, "V" belt, ½-HP motor. Ship. wt. 142 lbs. *Mailable.*

84 WC 2251YO—$12 Down, $10 Month.....Cash **$116.50**

SPECIFICATIONS

Depth of Cut, Maximum	2½ in.
Depth of Cut at 45°	1¾ in.
Blade Tilt, Maximum	45°
Control, tilt and raise	1 front knob
Blade Size	8-in. diam., ⅝-in. bore
Main Table Size	14x17 in.
Table Size, extensions	28x17 in.
Distance Ahead of Blade	8½ in.
Rip Fence	19 in. x 1⅞ in. high
Base Dimensions	12⅜x15⅝ in.
Motor Arbor Size	⅝ in.
Dado Recommended	84WCP3300
Arbor Speed Recom.	3450 RPM
Sanding Wheel Recom.	84WC2285

10 **Table Extensions** for (9) at left.
84 WC 3343—Wt. 13 lbs. Each **$7.95**

11 **Saw Guard And Splitter** for (9). Added protection to operator.
84 WC 3342—Wt. 4 lbs.....**$6.45**

Table Inserts for saw (9). Aluminum.
84 WC 3340—Dado Insert. For dados up to 1-in. thick. Ship. wt. 7 oz.....**$1.25**

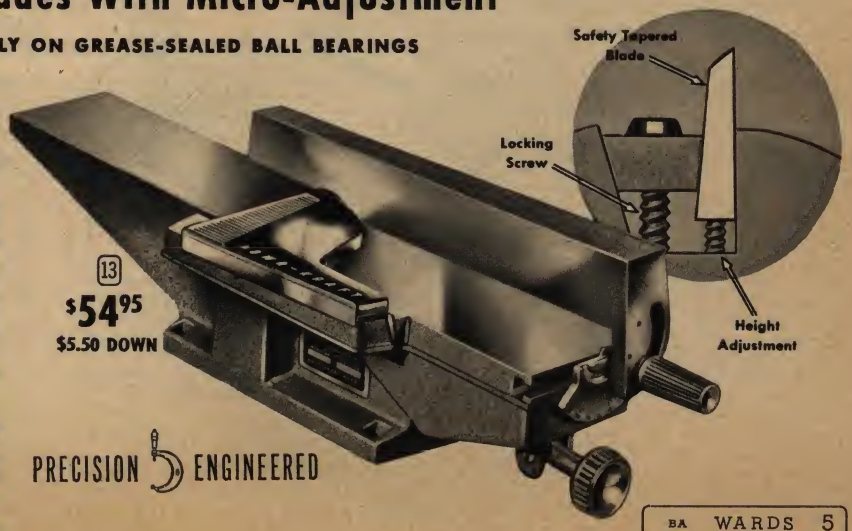
84 WC 3341—Molding Insert. For standard molding heads. Ship. wt. 7 oz. **$1.25**

12 **Stand** for Saw (9) at left. Rigid all-steel construction. Ship. wt. 25 lbs.
84 WC 2937 MB—23x19x24-in....**$13.95**

Safety-Tapered Blades With Micro-Adjustment

JOINTER RUNS SMOOTHLY ON GREASE-SEALED BALL BEARINGS

- **Greater capacity than others in its class**
- **4 in. width of cut—⅜ in. depth of cut**
- **Cast-iron base . . . rigid fence construction**



13 ***POWR-KRAFT* 4-In. Jointer-Planer.** Meets professional requirements . . . has micro blade adjustment—usually not found in 4-in. jointers. Simply turn flat socket head screws to raise or lower blades until they just touch a straight edge. Ideal jointer-planer for cabinet makers and builders—wherever precise work must be done at high speed and low cost. You can handle most material used in any production work. Has two precision-ground tool steel blades, safety tapered and individually micro-adjustable. Guard covers cutting blades—springs back quickly after each cut.

84 WC 2514 MO—Wt. 47 lbs. $5.50 Down...Cash **$54.95**

13

$54.95

$5.50 DOWN

Jointer with ⅓-HP Motor, Belt and Pulley. Wt. 76 lbs.
84 WC 2500YB–*Mail.* $7.50 Down, $7 Mo. ...Cash **$73.95**

Jointer With ⅓-HP Motor, Belt, Pulley, Stand. Wt. 113 lbs.
84WC2501YB–*Mail.* $9.50 Dn., $9 Mo.... or Cash **$91.50**

Extra Cutter Blades for (13). Wt. for set of 2, 4 oz.
84 WC 2521—Tool steel, safety tapered. Set of 2, **$3.45**

PRECISION ENGINEERED

NEW 12-INCH GAP BED

LETS YOU TURN BIG BOWLS AND PLATES

Compare Capacity With Other Lathes at This Price!



Extra feature! Allows full 12-in. swing over 4 in. of bed

PRECISION ENGINEERED

[1] **$41.50**

$4.50 Down
$5 Per Mo.



Another extra feature! Built-in grinding wheel, sharpen your chisels right on the job.

POWR-KRAFT Wood Lathe Equals or Excels Lathes Selling for Over $50.00

- **Precision ball bearings sealed, lubricated for life**
- **Extra . . . built-in grinding wheel keeps chisels sharp**
- **Full 30-in. between centers, full 9-in. swing over ways**
- **Tapered spindle takes any Magna lathe accessory**

[1] 30-Inch ***POWR-KRAFT*** **Wood Lathe** equals or exceeds specifications for other lathes selling nationally for over $50.00. Features advanced styling and functional design. Built to extremely rigid specifications, designed for a lifetime of service. Must pass the most rigid tests. Gap bed gives 12-in. capacity for faceplate or sanding. Built-in grinding wheel for keeping chisels razor sharp. Massive one-piece cast-iron bed with precision ground ways and reverse tapered spindle to accommodate maximum number of accessories. Takes many Magna lathe accessories listed on Pages (45), (48), (49). Overall size 46 x 10 x 12¼ inches.

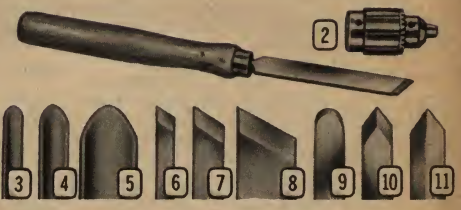
84 WC 2020 MO—WOOD LATHE ONLY. Shipping weight 65 lbs. Only $4.50 Down. . . .Cash **$41.50**

84 WC 2023 YO—COMPLETE LATHE OUTFIT (with motor, stand, pulley, "V" belts). Wt. 127 lbs. **77.95**

84 WC 2021 YO—LATHE OUTFIT (ABOVE) WITHOUT STAND. Wt. 88 lbs. $6 Down. . . . . .Cash **56.95**

LATHE SPECIFICATIONS

Spindle—⅝-in. unthreaded	Lathe pulley (incl.)....4 step
Tool rest—8 in.	⅓-HP motor.....(16) Pg. 13
Tailstock center.....#2 Morse Taper	Speeds: 800, 1350, 2200, 3800 RPM



Woodturning Chisels . . . Low as $1.00

[3] TO [11] Keen-edged, crucible steel blades, hardened and tempered for long life. Blades about 4 inches long. Hardwood handles about 8 inches long.

	Type	Catalog No.	Ship. wt.	Each
(3)	¼-in. gouge	84 WC 2043	12 oz.	$1.29
(4)	½-in. gouge	84 WC 2044	12 oz.	1.35
(5)	¾-in. gouge	84 WC 2045	12 oz.	1.49
(6)	¼-in. skew	84 WC 2046	12 oz.	1.00
(7)	½-in. skew	84 WC 2047	12 oz.	1.10
(8)	1-in. skew	84 WC 2048	12 oz.	1.50
(9)	Round nose	84 WC 2050	12 oz.	1.10
(10)	Spearpoint	84 WC 2049	12 oz.	1.10
(11)	Parting tool	84 WC 2051	12 oz.	1.25

[2] **Jacobs Chuck.** Fits lathe (1) above. 5/64 to ½-inch capacity. Fits ⅝-in. unthreaded spindle. *Mailed Postpaid.*

84 WCP 2027. . . **$8.60**

8-Pc. Chisel Set. Every chisel you need to do professional-like job. Includes all but (6) above.

84 WC 2053—Ship. wt. 4 lbs. 8 oz. . . . . .Set **$9.95**

5-Pc. Chisel Set. Includes (4), (5), (6), (7), (11) above.

84 WC 2052—Ship. wt. 3 lbs. . . . . .Set **$5.50**

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NEW EXCLUSIVE

Instant-Change Motor Mount

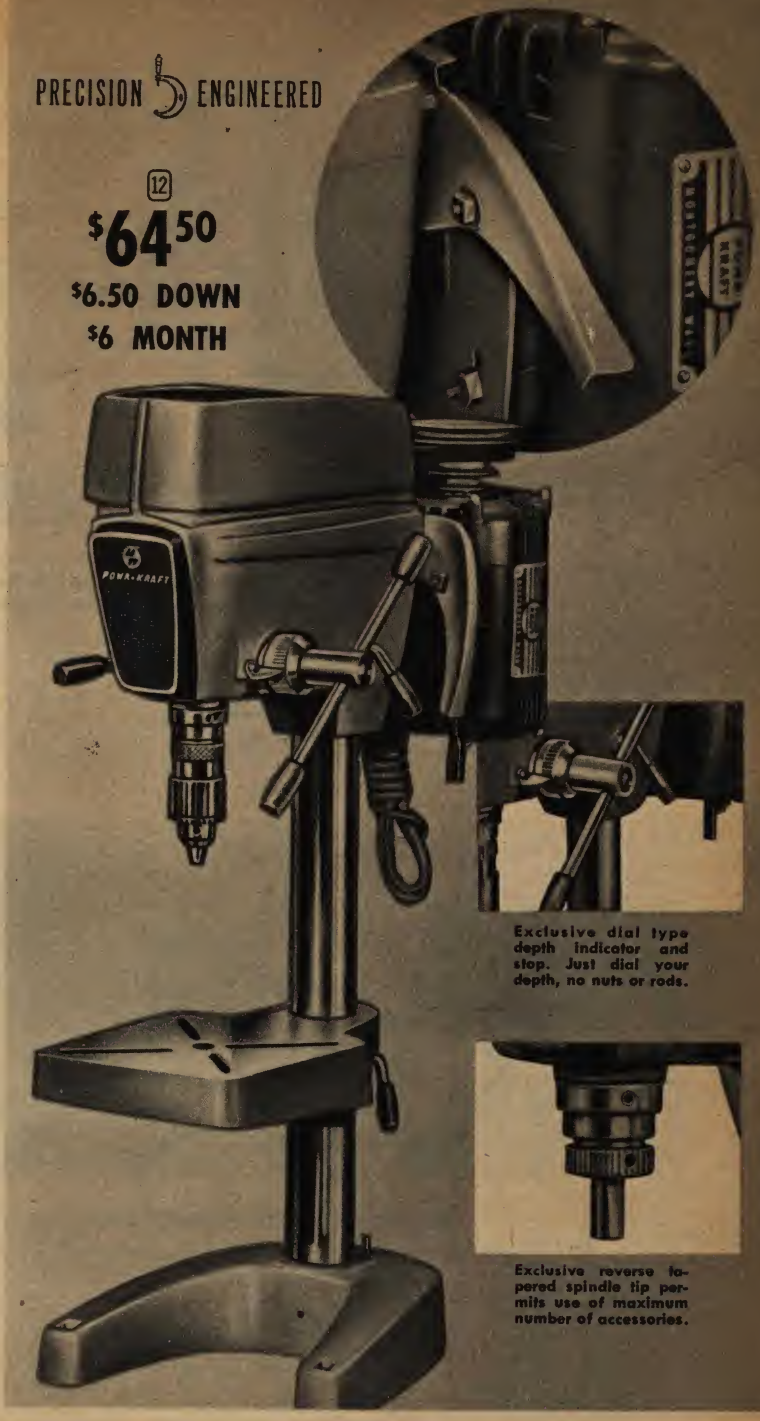
PRECISION ENGINEERED

12

$64.50

$6.50 DOWN

$6 MONTH



Exclusive dial type depth indicator and stop. Just dial your depth, no nuts or rods.

Exclusive reverse tapered spindle tip permits use of maximum number of accessories.

POWR-KRAFT 12½-In. Drill Press

- **Precision-sealed ball bearing spindle, lubricated for life**
- **Exclusive safety head support, cannot drop, allows floor drilling**
- **Cast-iron head adjusts up and down on tubular steel column**
- **Spindle Guaranteed accurate to .005 in.; famous Jacobs chuck**

12 **Four exclusive features** in this new versatile Powr-Kraft Drill Press. No other drill press anywhere near this price range includes so many plus features—

√ **Exclusive** quick-cam motor mount for instant speed change and automatic belt tension. Permits the easy adjustment of four spindle speeds. (See inset view at top of page, right).

√ **Exclusive** dial-type depth indicator and stop—simple to operate, just dial your depth. No nuts or rods to adjust.

√ **Exclusive** safety head support. Head swings 360° but cannot drop, allowing for floor-type drilling.

√ **Exclusive** reverse-taper spindle tip which permits attachment of accessories with single set screw. No possibility of accessory "creeping" off spindle because of vibration or loosening of set screw.

Big capacity—drills to center of 12½-inch circle. 3-in. quill feed, 18-in. chuck to bench. Sealed precision ball bearings lubricated for life. 4 speeds—800 to 3800 RPM. ½-in. capacity Jacobs geared chuck. Size overall 23x11½x33 in. high.

This versatile Drill Press will take accessories listed on Pages 48 and 49. Buy the attachments for the jobs you want to do—drum sanding on curved surface, metal drilling, mortising, routing, shaping, cutting large circular holes, polishing metal, etc.

Ship. wt. 85 lbs. *Not Mailable.* Only $6.50 Down, $6 Per Month.

84 WC 2525 R—**Drill Press Only**.....Cash **$64.50**

Complete Drill Press Outfit. Includes drill press, motor, stand, motor pulley and "V" belt. Ship. wt. 150 lbs. *Not Mailable.*

84 WC 2527 R—Only $10.50 Down, $9 Per Month.....Cash **$101.50**

Drill Press Outfit above without stand. Ship. wt. 113 lbs. *Not Mailable.*

84 WC 2526 R—Only $8.50 Down, $8 Per Month.....Cash **$83.50**

DRILL PRESS SPECIFICATIONS

Depth of throat	6¼ inches
Chuck	Jacobs, 5/64 to ½-in. capacity
Table	Cast iron, slotted type; 8 x 8 in.
Chuck to bench	Maximum distance 18 inches
Spindle	⅝-in. diameter splined; ⅝-in. round tip
Quill	3-in. feed; with positive quill lock
Column	2-inch diameter

TAKE ADVANTAGE OF WARDS CONVENIENT MONTHLY PAYMENT TERMS . . . complete your workshop now and pay later. You can enjoy your tools while you pay for them. For complete details of Wards Monthly Payment Plan, see Page 44 of this Catalog.

Vises and Accessories for Routing, Mortising, Cutting Circles



13 10.95



14 3.88



13 14 **Drill Press Vises.** Give quick set-ups without use of clamps. Rugged cast-iron construction. Designed to hold small articles or pieces when drilling. Bolt to drill press table. Ideal for tool-rooms, machine or home shops.

(13) **Palmgren Tilting Angle Vise.** For heavy-duty production work. Hardened steel jaws 2½ in. wide, 17/16 in. deep, open to 2½ inches. Adjusts to any angle from 0 to 90°, locks firmly. Size overall is 4 x 9 x 3⅝ in.

84 WC 2596—Ship. wt. 10 lbs.....**$10.95**

(14) **Light-Duty Vise.** With grooved jaws 2⅜ in. wide and 1⅝ in. deep. Jaws open to 2⅝ inches.

84 WC 2563—Ship. wt. 5 lbs.....**$3.88**

15 **Handy Hole Cutter.** Hardened and tempered tool steel. Accurately cuts round holes ⅞ to 4-in. diam. in steel, wood or plastic. Combination square and round shank—fits drill presses, drills, bit braces.

84 WC 3656—Ship. wt. 12 oz. . . **$1.69**

Extra Blade for (15).

84 WC 3657—Ship. wt. 2 oz.....**55c**

16 **Dovetail Cutter.** For male, female dovetails. ¼-in. diam. shank.

84 WC 2591—½-in. diam. Wt. 3 oz. **$3.25**

17 **Shopsmith Router Bits.** Hardened and tempered tool steel. Precision ground edges. ½-in. diam. shanks. State: ¼, 5/16, ⅜ or ½-in. cut.

84 WCP 3136—*Mailed Postpaid*.....Each **$2.45**

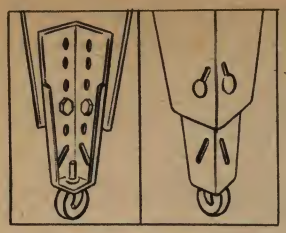
18 19 **Shopsmith Mortising Chisels and Bits.** Use together for cutting square holes for mortise and tenon joints. Easier and quicker—eliminates tedious hand work. Tempered steel. ¼, 5/16, ⅜ or ½-in. size. *Be sure to State size. Mailed Postpaid.*

(18) 84 WCP 3134—Mortising Chisels.....Each **$4.45**

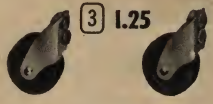
(19) 84 WCP 3135—Mortising Bits.....Each **$2.95**



1 21.95
2.50 Down



Adjustable legs—stands adjust from 24½ to 31½ in. high.



3 1.25



2 18.95

Power Tool Stands...Rigidly Built for Less Vibration

- **Designed to fit most bench-type power tools—heavy-duty all steel construction for minimum vibration**
- **Adjustable legs let you raise or lower stand to proper height for the utmost in comfort while you work**
- **Free-rolling casters available—lets you move stand easily; wheels are off floor when stand is in use**

1 **Double Stand.** Will take lathe or any two other power tools. Heavy-duty 12-gauge steel construction for greater rigidity and minimum vibration. Adjustable legs with rubber feet raise and lower stand from 24½ to 31½ in. high to suit height of tool and operator. Includes: 4 tool mounting rails, 2 motor mounting rails and motor mounting plate. Dimensions: 24 in. wide, 42 in. long. Beige enamel finish harmonizes with all Powr-Kraft tools.

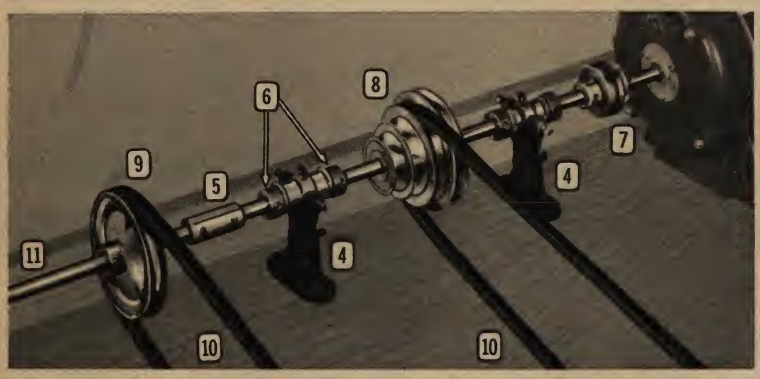
84 WC 2936MB—Ship. wt. 39 lbs. $2.50 Down, $5 Month.....Cash **$21.95**

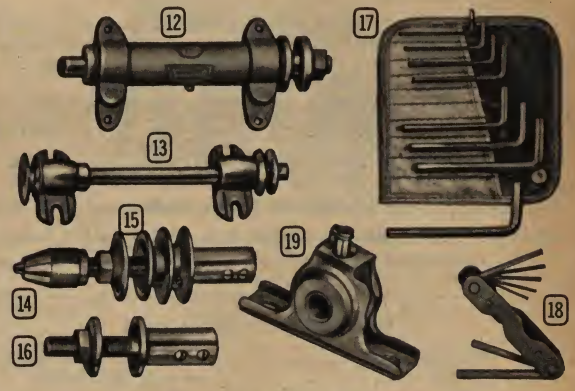
2 **Single Stand.** For one power tool. Rigid 12-gauge steel construction. Height adjusts from 24½ to 31½ in. Top 16 in. sq.; bottom 23½ in. sq. Mounting rails, plate included. Not for lathe or bench saw.

84 WC 2935 MB—Beige finish. Ship. wt. 37 lbs.....**$18.95**

3 **Caster Set.** For easy moving of power tool stand. Hard rubber wheels.

84 WCP 3379—Rigid steel mounting frames. *Postpaid.* Set of two **$1.25**





Use One Motor to Operate Many Tools With Power Transmission Equipment

4 TO 7 **Shaft Hangers, Couplings, Collars.** Shaft hangers adjust for alignment, have bronze bearings; (5) and (6) machined from bar steel. *State size bore wanted.*

Key	Description	Catalog Number	Ship. Wt.	½-in. bore Ea.	½-in. bore 2 for	⅝-in. bore Ea.	⅝-in. bore 2 for
(4)	Shaft Hangers.....	84 WC 2890	2 lbs.	$1.70	$3.34	$1.98	$3.90
(5)	Solid Couplings.....	84 WC 2886	7 oz.	40c	78c	52c	1.00
(6)	Shaft Collars.....	84 WC 2887	3 oz.	20c	38c	25c	48c
(7)	Flexible Couplings.....	84 WC 2885	8 oz.	70c	1.36	70c	1.36

8 9 **Die-Cast "V" Pulleys.** For ⅜ or ½-in. width "V" belts. Sizes marked (*) have set screw fastening to shaft, others have keyway slot and set screw.

(8) 4-Step "V" Pulleys. Available in *½, ⅝ or ¾-in. diameter bore. *State bore size.*

84 WC 2895—4, 3⅜, 2⅝, 2-in. diameter steps. Ship. wt. 2 lbs.....**$1.60**

(9) Single Groove "V" Pulleys. 1½-in. to 4-in. have webbed design; others spoke design.

84 WC 2878—*State pulley diameter and bore size wanted.*

Diam.	Bore, In.	Ship. wt.	Each	Diam.	Bore, In.	Ship. wt.	Each
1½ in.	*½ or *⅝	4 oz.	40c	4 in.	*½, ⅝ or ¾	12 oz.	80c
2 in.	*½ or ⅝	6 oz.	54c	5 in.	*½, ⅝ or ¾	1 lb.	95c
2½ in.	*½, ⅝ or *¾	8 oz.	59c	6 in.	*½, ⅝ or ¾	1¾ lbs.	$1.30
3 in.	*½, ⅝ or ¾	10 oz.	63c	8 in.	*½, ⅝ or ¾	2 lbs.	1.69

10 **Rubber "V" Belts. "A" section type.** 9/32 in. thick, ½ in. wide. Strong rayon cord with flexible rubber core and rubber-treated cotton jacket. Ship. wt. each 8 oz.

84 WC 2876—*State size.* For proper fit measure around edge of pulleys.

Size	Each	Size	Each	Size	Each	Size	Each	Size	Each	Size	Each	Size	Each
20 in.	54c	26 in.	54c	32 in.	63c	37 in.	70c	41 in.	76c	46 in.	83c	54 in.	88c
22 in.	54c	28 in.	57c	34 in.	65c	38 in.	72c	42 in.	79c	48 in.	85c	56 in.	95c
24 in.	54c	30 in.	59c	35 in.	65c	39 in.	72c	44 in.	80c	50 in.	85c	58 in.	95c
25 in.	54c	31 in.	62c	36 in.	68c	40 in.	74c	45 in.	80c	52 in.	88c	60 in.	95c

Rubber "V" Belts. "O" section type. 7/32 in. thick, ⅜ in. wide. *State size wanted.*

84 WC 2875—Ship. wt. each 6 oz. 28-in.....**54c**; 30-in.....**59c**; 32-in.....**59c**
33-in....**61c**; 34-in....**63c**; 35-in....**64c**; 36-in....**65c**; 37-in....**67c**; 38-in....**69c**
39-in....**70c**; 40-in....**72c** 41-in....**74c**; 42-in....**77c**; 44-in....**78c**; 49-in....**83c**
51-in....**85c**

10 WARDS BA

11 **Steel Line Shafting.** Ground to .002 in. Ship. wt. 2, 4 lbs.

84 WC 2888—½x24 in.**70c**; 84 WC 2898M—⅝x35 in.**$1.60**

12 **High-Speed Saw Mandrel.** Zerk fittings. Cast housing. Ball bearings. Steel shaft, left-hand thread. V-belt pulley.

84 WC 7005—*State diameter of shaft wanted.*

Shaft diam. ½ in. 9½ in. long. Ship. wt. 5 lbs.....**$6.75**
Shaft diam. ⅝ in. 10 in. long. Ship. wt. 6 lbs..... **6.98**
Shaft diam. ¾ in. 12 in. long. Ship. wt. 8 lbs..... **8.95**

13 **Light-Duty Saw Mandrel.** Polished steel shaft shouldered to saw bore size with standard threads. Bronze bearings. Die-cast pulley. Cast pillow blocks.

84 WC 7010 L—*State diameter of shaft wanted.* Ship. wts.: 4, 5 lbs.
Shaft diam. ⅝ in.; threaded ½ in. 13 in. long.....**$3.98**
Shaft diam. ¾ in.; threaded ⅝ in. 14 in. long..... **5.25**

14 **3-Jaw Chucks.** Fit ½-in. 24-thread spindles. Ship. wts. 3, 6 oz.

84 WC 2764—¼-in. capacity..**85c**; ½-in. capacity..**$1.05**

15 **Motor Arbor With Chuck.** With single groove pulley.

84WC2892—With ¼-in. chuck. Fits ½-in. shaft. Wt. 1½ lbs.**$2.19**
84WC2893—With ½-in. chuck. Fits ½-in. shaft. Wt. 1½ lbs.. **2.69**

16 **Motor Arbors.** ½-in. 24-thread spindle.

84WC2915—Fits ½-in. shaft. Wt. 10 oz.....**$1.19**
84 WC 2916—Fits ⅝-in. shaft. Wt. 10 oz..... **1.25**

17 **Pocket Size Socket Key Sets.** Hardened tool steel. Regular length fit Allen type No. 5 to ½-in. set screws, No. 4 to 5/16-in. cap screws. Extra-long set fits No. 8 to ⅝-in. set screws, No. 3 to 7/16 in. cap screws. In plastic kit. Sets of 8.

84 WC 2901—**Regular Length Set.** Ship. wt. 3 oz.....Set **59c**
84 WC 2902—**Extra Long Set.** Ship. wt. 8 oz.....Set **75c**

18 **Combination Socket Key Set.** Designed like pocket knife. Fit No. 3 to ⅜-in. set screws and No. 1 to ¼-in. cap screws.

84 WC 2903—3¼ in. long. Plastic case. Ship. wt. 4 oz..Set of 7 **98c**

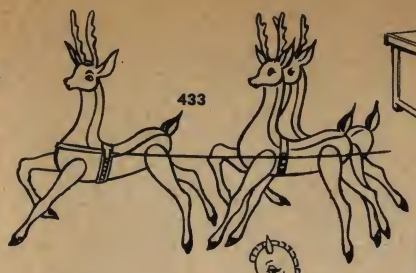
19 **Pillow Blocks.** Self-adjusting type with bronze bearings. Ship. wt. each 10 oz. *State size of bore wanted.*

84 WC 2925—½-in. bore.....Each **$1.39**; 2 for.....**$2.68**
⅝-in. bore.....Each **1.49**; 2 for..... **2.88**













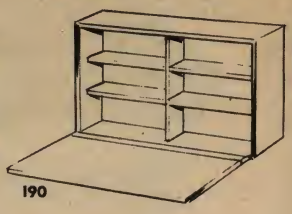




Free Booklet

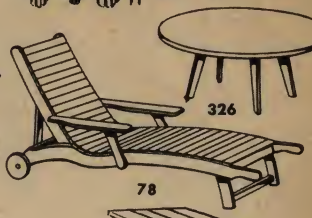
Write to Dept. WC-E7 for free illustrated booklet that shows all 170 "Easi-Bild" patterns that are now available.









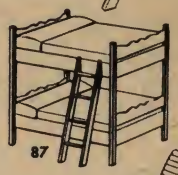


Make-It-Yourself With "Easi-Bild" Patterns

- **170 Workshop projects from simplest one-night jobs to complete two-car garage construction**
- **Full size patterns provided for most parts . . . exact dimensions given for all large pieces**
- **Complete instructions are easy-to-understand, even for beginning "do-it-yourself" hobbyists**

You can build a wide variety of decorative and useful articles and save money, too, with Easi-Bild Patterns. Simply cut each part to size of pattern, drill holes for screws, bolts, dowels, etc. in exact position shown. Full size patterns are provided wherever necessary for angle cuts, scalloped edges or other curved parts. Where no full size pattern is required for a long length of lumber, metal, or large panel, exact cutting dimensions are given. Easy-to-follow directions are ideal for unskilled as well as skilled persons; written in non-technical language. Send for free booklet above that shows all 170 patterns now available.

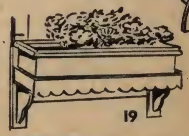




84 WCP 3027—**ANY FOUR PATTERNS BELOW.** *State Pattern Nos. Wanted. Postpaid*.....**4 FOR $1.00**

1—Window Valance
5—Kitchen Shelf
10—Swedish Bird House
15—Handy Workbench
19—Window Box
20—Sandbox
22—Picnic Table
23—Fireside Bench
24—Wall Shelf
25—Magazine Rack
26—Wall Table
27—Window Valance
30—Window Valance
34—Giraffe Clothestree
36—Dutch Wall Cabinet
37—Storage Chest
56—Foldaway Chair
57—Peasant Bench
64—Colonial Doll Cradle
65—Toy Chest
71—Tool Chest
72—Amphibious Freighter
74—Signs, House Nos.
76—Terrace Chair
79—Farm Yard Animals
81—Lawn Ornaments
83—Barn Yard Animals
95—Modern Table
96—Giant Footprints
97—Picture Frame
98—Modern Lamp
99—Modern End Table
117—Child's Playtable
128—Room Dividers
131—Christmas Decorations
132—Jr. Briarcliff Chair
154—Climbing Pole
157—Valance Board
191—Multiple Moderns
301—Shadow Boxes
303—Storm Window
304—Garden Trellis
306—String Chair
307—Dining Bench
313—Telephone Shelf
314—Bermuda Kite
325—Lawn Bench
345—Shoe Rack
353—Tot's Step Stool
539—Do-it-Yourself Primitives
552—Ski-Hi Stilts
555—Artist's Easel
559—Candle Wall Sconce
580—Geese Wall Decorations
581—Rooster Wall Plaque
587—Wise Owl Lawn Marker



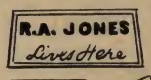


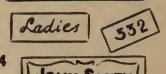


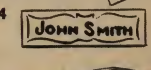
84 WCP 3028—**ANY THREE PATTERNS BELOW.** *State Pattern Nos. Wanted. Postpaid*.....**3 FOR $1.00**

16—Revolving TV Table
17—Peasant Table
21—Hanging Bookshelf
29—Bathroom Valet
39—Lawn Settee
40—Express Wagon
43—Folding Snack Tables
52—Coffee Table
55—Foldaway Settee
59—Doll Carriage
66—46-in. Wheelbarrow
68—Single or Double Bed
75—Terrace Table
78—Garden Chaise
90—Stand-up Bar
92—Modern Chair
136—Early American Cabinet
149—Christmas Window
153—Jungle Gym
161—Relax-A-Board
192—Modern Record Cabinet
193—Modern Cabinet
309—Coffee Table
310—Nativity Scene
311—Modern Chair
316—Superchef Barbeque
326—Terrace or Coffee Table
331—Outdoor Xmas Greeting
431—Santa Claus Decorations
433—Christmas Reindeer
435—Colossal Candy Cane
550—Decorator's Valance





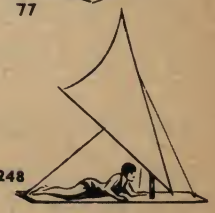




84 WCP 3029—**ANY TWO PATTERNS BELOW.** *State Pattern Nos. Wanted. Postpaid*.....**2 FOR $1.00**

3—Kitchen Unit
18—Bookcase Hide-A-Desk
28—Dog House
32—Lawn Chair
33—Dream Doll House
38—Corner Cabinet
41—Undersink Enclosure
42—Modern Bookcase
51—Tool & Garden House
53—Pony Ride Rocker
69—Martin House
73—Outdoor Fireplace
77—Sportsman's Barge-Boat
82—Modern Indoor Planter
86—Swing-up Garage Door
87—Bedford Bunk Beds
89—Lean-to Tool Shed
93—Bulletin Board
126—Headboard Storage Unit
127—Step End Table
129—Chest Cabinet
130—Gun & Fishing Rod Cab.
133—Cabinet Ironing Board
135—Home Air Cooler
137—Dining Table
140—Sliding Top Coffee Table
141—Cabinet End Table
156—Cleaning Utensil Cabinet
158—Lavatory Enclosure
159—Frame aWindow or Wall
190—Train Board Storage Wall
231—Fireplace Mantel
241—Sink Enclosure
242—Wall & Corner Cabinet
243—Serving Center
246—Dish Storage Cabinet
247—Surfboard
263—Storage Wall on Casters
264—Wall to Wall Bookcase
265—Cedar Room
269—Storage Chest
271—Valance Bookcase
305—Canopy
312—Beverly Hills Chaise
322—Lawn Chair
323—Folding Picnic Table
343—Night Table w/Drawers
430—Sliding Door Storage Wall
434—Santa Claus Sleigh
436—Record Cabinet
438—School Policeman
452—Extending Coffee Table
524—Rooster Weathervane
537—Decorator's Library Desk
541—Planter Lamp
542—Modern Desk
543—Sewing Table Cabinet
544—Radiator Enclosure
548—Modern Web Chair
554—Outdoor Dining Table
560—Three Wisemen Greeting
562—Choir Boy's Greeting
563—Slo-Down Safety Sign
568—Stor-all Workbench
586—Colonial Coffee Table
592—Outdoor Xmas Greeting
724—Cat Shelter
936—Easter Rabbit









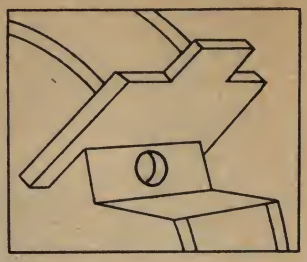
SEE JIG-SAWS ON PG. 6.
Wards Powr-Kraft Jig-Saw and other power tools have been redesigned to make construction of "Easi-Bild" projects faster, easier than ever.

84 WCP 3030—**ANY PATTERN BELOW.** *State Pattern No. Wanted.-Postpaid*.....**Each $1.00**

14—Poultry House
84—Guest and Tourist House
85—Utility Boat
112—Greenhouse
113—Garage, Tool House
201—Kitchen Cabinets
248—The Sail Scooter
249—Garden Tool House
266—Sportsman's Cabinet
272—Hi-Fi Cabinet
273—Town-Country Carport
317—Sportsman's Kayak
761—Two-Car Garage
924A—Christmas Picture Window Pattern

Convert Your Bench Saw to Shaper or Jointer-Planer





Positive grip-lock design aligns knife accurately, securely. Easy-to-replace. Knives cut unlimited number of designs and profiles. Each cutter head holds set of 3 knives of same profile firmly in place. Order (A) to (GG) below.

Molding Cutter Heads $5.45 and $5.95

- **Safety-lock design aligns knives accurately—assures positive grip**
- **Number of molding designs you can cut is practically unlimited**

(1) Do the work of a shaper or jointer-planer with the bench saw or Shopsmith you now have. Enables you to save on today's high lumber costs—trim it yourself. Prepare your own tongue-and-groove flooring, picture frames, building trim—produce an infinite number of molding designs by using cuts of two or more sets of knives. Each cutter head holds set of 3 knives of same profile firmly and accurately with hollow head set screws (see inset view at left). Knives not included. (Order knives (A) to (GG) from table below). With hollow head set screw wrench.

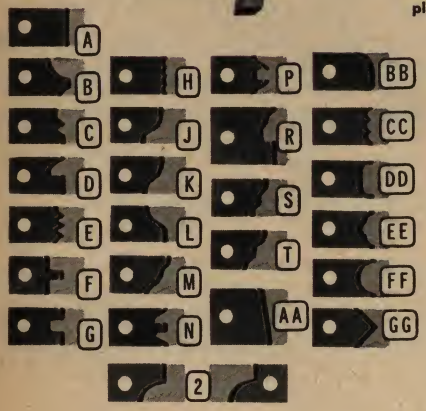
***POWR-KRAFT* Molding Cutter Head.** Fits most Bench, Floor or Swing saws with ½ or ⅝-in. diameter arbor. Aluminum alloy head. 3⅝-in. diam., ⅞ in. wide.

84 WC 2267—Use with knives 84 WCP 3104 below. Ship. wt. 2 lbs.....**$5.45**

Magna Molding Cutter Head (not shown). Specially designed to fit Shopsmith or Powr-Kraft saw spindle. Head is 3⅝-in. diam., ⅞ in. wide. Aluminum alloy—heat treated.

84 WCP 3103—Use with knives 84 WCP 3104 below. *Mailed Postpaid*....**$5.95**

Molding Cutter Head Knives Produce Unlimited Designs



(A) TO (GG) **Magna Knives** (listed at right). Use with Molding Cutter Heads listed above. High grade tool steel. Designed for accurate non-slip alignment. Correct angle for true shaving cut. Several sets can cut unlimited variety of shapes. Each set includes 3 blades of one shape. Fit heads listed under (1) above and former head No. 84-2265. Knives are ⅛ in. thick and 1 in. wide (except profile AA and R are 1½ in. wide).

(2) **Dropleaf Table Cutter Set.** Consists of 2 sets of matching molding cutters, 1 for drop leaf, 1 for table edge. Fits cutter heads (1) listed at right above. *Mailed Postpaid.*

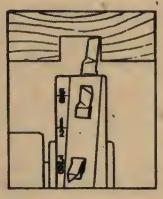
84 WCP 3100.....Set **$7.45**

SEE EASY CREDIT TERMS LISTED ON PAGE 44.

84 WCP 3104—*State Cat. No. and Profile Letter. Postpaid.*

Profile Letter and Description of Knife	Price PerSet	Profile Letter and Description of Knife	Price PerSet
(A) Blank Square Knives	$3.75	(N) Panel Insert.....	$4.95
(B) ¼, ½, Quarter Round	3.75	(P) Panel Insert Cope..	4.95
(C) Glue Joint, ½ in., up.	3.75	(R) 1⅜-in. Sash.....	4.95
(D) Cabinet Door Lip, ⅜"	4.95	(S) 1⅜-in. Sash Cope..	4.95
(E) V Flute Molding....	3.75	(T) Bead, Cove Molding.	3.75
(F) Groove.....	3.75	(AA) Panel Raiser.....	4.95
(G) Tongue.....	3.75	(BB) ¼, ½ Cove.....	3.75
(H) 4-Bead Molding....	3.75	(CC) 3 Bead.....	3.75
(J) O.G. Molding.....	3.75	(DD) Screen Molding....	3.75
(K) O.G. Molding.....	3.75	(EE) Screen Molding....	3.75
(L) O.G. Molding.....	3.75	(FF) ¾-in. Half Round..	3.75
(M) Reverse O.G.....	3.75	(GG) 45° Vee.....	3.75









Your Bench or Floor Saw Will Do Many More Jobs with a Dado Head







Precision-Built Dado Equipment for Dadoing, Grooving, Rabbeting

(3) **New Adjustable 6-In. Quick-Set Dado.** Big capacity precision-built Dado instantly adjusts for smooth dados ¼ in. to 13/16 in. wide—up to ¾-inch deep. Can be set for any groove width by turning dial—no need to move tool from the arbor. Designed for accurate and smooth performance without dangerous stress or strain. Automatic cooling—practically eliminates all friction heat. No vibration or chatter.

8 high-speed tool steel blades cut clean and smooth (see large view above). Cutting edges remain sharp 4 to 5 times longer than those of conventional dados. Interlocking aluminum side plates.

84 WC 2287—Fits ½, ⅝ or ¾-in. arbors. Ship. wt. 3 lbs.....**$22.95**

(4) (5) **Chipper-type Dados.** Make your bench saw more versatile—use dado heads for dadoing, grooving, rabbeting, notching. Cuts can be varied in width and depth. *State Cat. No., diameter and bore size.*

(4) Hobbyists' Quality. Stamped steel. Set includes two outside blades and six 1/16-in. thick chippers. 5-in. diam. ⅝-in. bore.

84 WC 2282—⅛-in. thick blades. Ship. wt. 1 lb. 8 oz.....**$4.95**

(5) Professional Quality Dado Heads. Precision ground, tempered alloy tool steel. Set includes: two outside blades ⅛ inch thick, four chippers (one 1/16 inch, two ⅛ inch, one ¼ inch thick). 8 and 10-inch diameter *Mailed* promptly from Factory near Buffalo, N. Y.; you pay postage from there. 6-inch diameter *Mailed* from Stock.

Cat. No.	Diameter	Bore, in.	Ship. wt.	Price
84 WC 2283	6 in.	⅝	3 lbs. 8 oz.	$8.95
84 WC 2283K	8 in.	⅝ or ¾	6 lbs.	23.95
84 WC 2283K	10 in.	⅝ or ¾	9 lbs.	31.50

(6) **Precision-Built 8-in. Magna Dado.** For faster, more accurate dadoing. Complete 1-piece wobble type unit for grooving, dadoing, notching, rabbeting, tenoning, crosscutting or ripping. No blades and chippers to assemble—no shimming necessary to obtain the exact width of cut desired. Extremely easy to operate. Only one quick adjustment with Allen wrench and calibrated dial. Gear synchronized hubs control blade for any width of cut from 5/32 to ⅞ in. and up to 2 in. deep. "Whipping" action is eliminated by heavy 8-in. diam. ⅛-in. thick blade with special tooth design. Also excellent for straight sawing—use as a rip or cross-cut blade—allows alternate straight sawing and dadoing without changing blades. Makes bench saw more versatile. Fits most saws with ⅝ or ¾-in. diam. arbor. See cross-section view above.

84 WCP 3300—*Mailed Postpaid*.....**$15.95**

(7) **Warren Dado Sawing Washers.** Grooved for 40 different clean, accurate cuts with 1 blade. Simply dial desired width. Fits any saw blade; blade not included. *Be sure to state on order: ½ or ⅝-in. arbor hole.*

84 WC 2280—Ship. wt. 8 oz.....Set **$4.49**

(8) **Adjustable Angle Jig.** Cuts angles and tapers from 1° to 21°—locks firmly. Move clamps for higher angles. Fits any bench saw that has a rip fence. Hardwood.

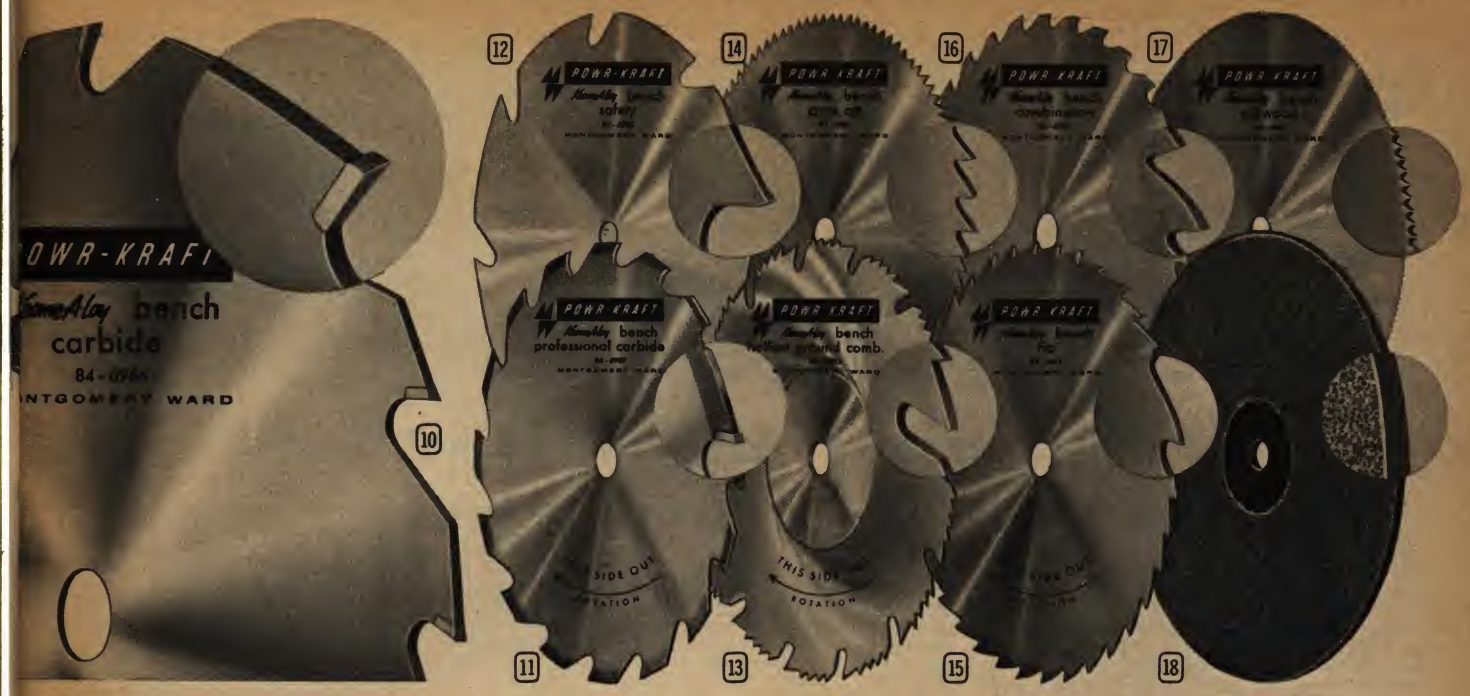
84 WC 2275—Ship. wt. 1 lb. 8 oz.....**$2.95**

(9) **Material Stand.** Support, convey, long and wide materials. Adjusts to working height of most shop machinery—28 to 44 in. from floor to roller top. Rust-resistant steel. 12-in. metal roller.

84 WC 2259 M—Ship. wt. 8 lbs.....**$8.50**



WARDS GUARANTEE the quality of every article as described. If not completely satisfied, we will exchange it for what you want or refund what you paid, including any transportation charges.



New Krome-A-Loy Blades Last 3 to 5 Times Longer

POWR-KRAFT Carbide-Tipped Blades

- **Individually Tensioned for Smoother, Cleaner Cutting**
- **Automatically Set and Sharpened for Perfect Uniformity**

10 11 Special high-grade alloy steel blades with tungsten carbide tips silver-brazed to blades and finish-ground with diamond wheel to exact tolerances for faster, smoother, more efficient cutting. Use less power than ordinary blades and generate less heat. Last 25 to 100 times longer than ordinary blades before resharpening. Hard-chrome plating goes deep into edges of teeth and gullets where cutting is done. Individually tensioned for smoother, cleaner cutting. Cut hardwood, plastics, roofing, siding, etc. Two qualities:

(10) ***POWR-KRAFT*** **Quality.** Alloy steel blades last up to 25 times longer. Fits ½ or ⅝-in. hole. 8-in. diameter blade.
84 WC 6986—With 16 teeth. Ship. wt. 1 lb. **$9.95**

(11) ***POWR-KRAFT*** **Professional Quality.** Lasts up to 100 times longer. Chrome vanadium alloy steel. Order below. *State diameter.*

Cat. No.	Diameter	Teeth	Fits Hole Size	Ship. wt.	Price
84 WC 6987	7 in.	14	½ or ⅝ in.	1 lb. 4 oz.	$15.50
	8 in.	16	½ or ⅝ in.	1 lb. 8 oz.	16.50
	10 in.	20	⅝ or ¾ in.	2 lbs. 8 oz.	21.95

8-Tooth Safety Saw Blades $1.79 to $3.29

12 ***POWR-KRAFT*** **Combination Rip-Crosscut.** Chrome vanadium steel. Far safer than ordinary blades because of its "cut-control" principle. Teeth project only about .020 inch above non-cutting edge (.030 inch on 10 and 12-inch sizes). Reduces major cause of saw accidents . . . teeth cannot grab wood and throw it back at operator. Non-cutting edge acts as effective stop to cuts and limits their depth. Efficient tooth construction means less wasted power, longer motor life. Cuts chips, not sawdust—easier to clean, reduces fire hazard. Gives smoother cut and more efficient operation. *State diameter.*

Catalog No.	Diameter	Fits Hole size	Gauge	RPM	Ship. wt.	Price
84 WC 6985	6 in.	½ or ⅝ in.	18	6000	12 oz.	$1.79
	7 in.	½ or ⅝ in.	18	5140	12 oz.	1.98
	8 in.	½ or ⅝ in.	16	4500	1 lb.	2.19
	9 in.	½ or ⅝ in.	16	4500	1 lb. 4 oz.	3.29
	10 in.	⅝ or ¾ in.	16	3600	1 lb. 8 oz.	3.29

POWR-KRAFT Hollow Ground Combination Saws

13 **Hollow (taper) ground design** means less friction; blades run faster, longer without heating. Teeth are not set because blade is tapered from edge to center to provide clearance at sides, cuts sharpening time. Narrower kerf means cleaner, more accurate cuts. No after-planing or sanding necessary; prevents binding, minimizes kick-back. Chrome vanadium steel. Blades do crosscutting, mitering and ripping, perform nearly all sawing jobs without change of blade. *State diameter.*

Catalog No.	Diameter	Gauge Taper	Fits Hole size	RPM	Ship. wt.	Price
84 WC 6983	7 in.	14 to 17	½ in. or ⅝ in.	5140	12 oz.	$3.39
	8 in.	14 to 17	½ in. or ⅝ in.	4500	1 lb.	4.19
	9 in.	14 to 17	½ in. or ⅝ in.	4500	1 lb. 4 oz.	7.95
	10 in.	14 to 17	⅝ in. or ¾ in.	3600	1 lb. 8 oz.	7.95

14 TO 16 ***POWR-KRAFT*** **Flat Ground Saw Blades.** New chrome vanadium steel, tempered and hardened. Precision filed and set by hand. Highly polished finish—won't bind. Choice of 3 types of teeth. *Be sure to state saw diameter wanted.*

Diam.	Gauge	Fits Hole Size	RPM	Ship. wt.	(14) 84 WC 6980 Crosscut	(15) 84 WC 6981 Rip	(16) 84 WC 6982 Combination
6 in.	18	½ or ⅝ in.	6000	12 oz.	$1.79	$1.79	$1.79
7 in.	18	½ or ⅝ in.	5140	12 oz.	1.98	1.98	1.98
8 in.	18	½ or ⅝ in.	4500	1 lb.	2.19	2.19	2.19
9 in.	18	½ or ⅝ in.	4500	1¼ lbs.	3.29	3.29	3.29
10 in.	16	⅝ or ¾ in.	3600	1½ lbs.	3.29	3.29	3.29
12 in.	14	¾ or 1 in.	3000	2½ lbs.	4.69	4.69	4.69

POWR-KRAFT Plywood Blades—Low as $2.09

17 Cut plywood with minimum splintering—also for cutting wallboard, flooring, plastics, cabinet work—fine finish work. .035 in. thick; tough special analysis chrome-nickel alloy steel, heat treated. *Be sure to state diameter wanted.*

Catalog No.	Diameter	Gauge	No. Teeth	Fits Hole Size	RPM	Ship. wt.	Price
84 WC 6984	7 in.	20	200	½ in. or ⅝ in.	5140	12 oz.	$2.09
	8 in.	20	250	½ in. or ⅝ in.	4500	1 lb.	2.29
	9 in.	20	250	½ in. or ⅝ in.	4500	1 lb. 4 oz.	3.39
	10 in.	20	300	⅝ in. or ¾ in.	3600	1 lb. 4 oz.	3.39

18 **Steel Sanding Wheel.** Convert bench saw into disc sander. For bench saws with ½ or ⅝-inch diameter arbors. With one medium and one coarse abrasive disc.
84 WC 2285—Shipping weight 4 lbs. **$2.25**
84 WC 2286—**Extra Discs For (18).** Assorted grit. Wt. 8 oz. .....Pkg. of five **49c**

Set and Sharpen Your Own Blades

19 **Circular Saw Blade Filer.** Takes any size blade. Designed to insure correct pitch and bevel when filing. Gives precise angle to saw teeth. Easily attaches to work bench or table. With instructions.
84 WC 4038—Ship. wt. 3 lbs. **$7.98**

20 **Circular Saw Set.** Sets teeth properly for different cutting purposes. Takes blades to 10 in. Instructions.
84 WC 4036—Ship. wt. 8 oz. **$2.29**

Combination Saw Filer Set. Save $1.32, buy complete sharpening outfit. Includes Saw Filer (19) and Saw Set (20).
84 WC 4037—Ship. wt. 3 lbs. 8 oz. **$8.95**

21 **Circular Saw Vise.** Clamp-on type holds 6-in. to 16-in. diam. blades while sharpening. Die cast aluminum.
84 WC 4046—Ship. wt. 1 lb. 8 oz. .. **$3.39**

22 **New Saw Jointer.** Guarantees precisely same height on every tooth. Gives you better work, longer blade life. Takes saw blades up to 16-in. diameter. Complete with instructions.
84 WC 4032—Ship. wt. 1 lb. **98c**

Stock Up Now, Replace Worn Tools or Buy New Ones on Wards Easy Credit Terms. Only 10% Down Payment on Purchases of $20 or more. See details of easy Terms on Page 44.





1 $78.98 $8 DOWN



2 $155.85 $16 DOWN



3 $244.00 $24.50 DOWN

NEW Bolt-Reinforced Student Cabinet Benches

1 **Single-Drawer Open Frame Bench.** Heavy-Duty Northern Maple top has built-in tool well in back section; 100% glue bond, concealed steel tie rods and edge grained laminations assure a sturdy, long lasting work surface. Maple frame is constructed with bolted, mortise and tenon joints. Finished with multiple coats of sealer and lacquer. Top 52x22x2¼ in.; Drawer 30x14½x4½ in.; Frame height 32 in. Shipped promptly, unassembled in two cartons from Factory near Cleveland, O. *Not Mailable.* $8 Down on terms, $8 Monthly.

84 WC 2947 F—Ship. wt. 118 lbs.....Cash **$78.98**

2 **5-Drawer Cabinet-Type Work Bench.** Ideal for home, school or shop work. One 30x14½x4½-in. and four 13¾x14½x4½-in. drawers for tools, projects, etc. Laminated and tie-rod reinforced Maple top has tool well in back section for added convenience. Interlocked frame has bolt reinforced mortise and tenon joints for rugged strength. Finished in natural Maple with multiple coats of sealer and lacquer. Top is 52x22x2¼ in.; Bench height 32 in. Base shipped assembled in one carton, top packed separately. Promptly from Factory near Cleveland, O. *Not Mailable.* Only $16 Down on terms, $11 Monthly.

84 WC 2948 F—Ship. wt. 140 lbs.....Cash **$155.85**

3 **14-Drawer, Two-Student Cabinet Bench.** Both sides are equipped with one 30x14½x4½-in. tool drawer, six 13¾x14½x4½-in. project drawers. Special mortise and tenon joints are bolt reinforced for extra strength and rigidity. Hard Northern Maple frame and top, hardwood panels. Finished with multiple coats of mar-resistant sealer and lacquer. 52x36x2¼-in. top. Shipped promptly from Factory near Cleveland, O. *Not Mail.* $24.50 Dn.

84 WC 2949 F—Ship. wt. 299 lbs..**$244.00**



4 $19.95 $2 DOWN



5 $34.95 $3.50 DOWN



6 $13.50

Wood and Metal Work Benches, Saw Horses, Shop Aids



7 **New Lock-A-Matic Folding Legs.** For banquet or game tables as well as work benches. Positive locking device holds legs in folded or unfolded position for rigidity, ease in storage. 30 in. high. Plastic floor glides, hardware. Copper finish. Wt. 12 lbs.

84 WC 2944 M.....Pair **$9.95**

4 **Economical Wooden Utility Work Bench.** Kiln-dried Douglas Fir throughout. 22x60x1⅝-in. sanded top with raised ledge provides plenty of work space. 2x4-in. legs securely cross-braced, screw and bolt joined for extra strength. 33¼ in. high. Shipped promptly from Stock, ready to assemble. With instructions. *Not Mailable.*

84 WC 2956 R—Wt. 72 lbs.**$19.95**

5 **Steel Work Bench-Cabinet Combination.** Heavy gauge steel legs, cabinet sides and doors, plywood bottom. Auto-type doors lock (key included) to protect contents. 24x48-in. top of 1-in. wood core, faced on both sides with ¼-in. resinwood. Resists acids, oils. Storage cabinet about 18x32x22-in. Sturdy construction . . . will stand up under hardest use. Rust-resistant gray finish. Shipped unassembled.

84 WC 2965 R—*Not Mail.* Ship. wt. 110 lbs. $3.50 Down, $5 Month. Cash **$34.95**

6 **Adjustable Steel Bench Frame.** For making your own top. Legs adjust from 26 to 35-in. in height, quickly level on uneven or slanted floors. Length adjustments from 25⅞ to 44⅞-in. to fit to your work space. Full 26 in. width across top.

84 WC 2951 MB—Ship. wt. 34 lbs. *Mailable.* (Lumber not included).....**$13.50**

8 **Nail-Free Steel Sawhorse Legs.** Set up in seconds without additional fasteners. Use with any length 2-in. thick lumber. Available in 2 heights. 2 pair make a pair of saw horses. Wts. 10, 12 lbs. per pair.

84 WC 2945 M–24 in. high...Pair **$3.69**; 2 Pr. **$7.10**

84 WC 2946 M–30 in. high...Pair **4.39**; 2 Pr. **8.50**

9 **All Steel Folding Saw Horse.** (See inset view). Supports up to 450 lbs. 42 in. long, 23 in. high.

84 WC 2974 M—Wt. 12 lbs. Ea. **$4.84**; 2 for **$9.25**

10 **Heavy Gauge Steel Sawhorse Brackets.** Use 2x4-in. lumber without miter cuts or nails.

84 WC 2943–Wt. pair 6½ lbs. Pair **$2.95**; 2 Pair **$5.50**

11 **Economical Sawhorse Brackets.** Use with 2x4-in. stock without miter cuts. Nail holes flanged for quick take-down.

84 WC 2970—Wt. 3 lbs. per pair. Pair **$1.54**; 2 Pair **$2.87**

12 **Handy Roto Dispenser.** With 2000 assorted bolts, screws, washers, nails, etc. 12 glass jars rotate on center bracket. Hang on ceiling, make selections at a glance. *Mailable.*

84 WC 4328 Y—Complete with Hardware. Wt. 12 lbs.....**$4.85**

84 WC 4322 L—Dispenser Only. Ship. wt. 6 lbs..... **1.95**

13 **Flexible Tool Light.** UL Approved. 24 in. long with 6-ft. cord and plug. Use 60-watt bulb (not included).

84 WC 2972—Ship. wt. 3 lbs. 8 oz.....**$3.98**



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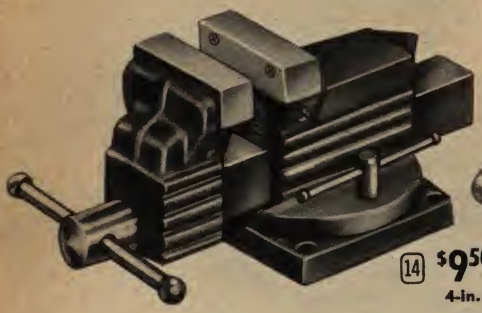
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13

Woodworking Accessories Make Shop Jobs Easy

Vises, Gluing and Clamping Tools for Home Workshop or Factory



14 $9.50 4-in.



15 Quick Action 9.50 6-in.



16 6.50



17 3.95

Save $3.85 and $4.00 from Mfrs. Prices

14 **Medium Duty Vises for Home, School or Shop.** Semi-steel construction. Serrated removable tool steel jaws, channel iron slide bar, cast iron pipe jaws. Large anvil surface. Swivels 180° with positive locking nut. *Mailable.*

4-IN. JAWS. Opens to 3½ in. Takes ⅛ to 1½-in. pipe.
84 WC 5427MB—Sells nationally for $13.50. Wt. 21 lbs. **$9.50**

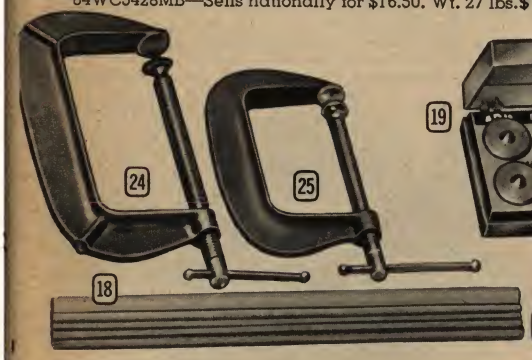
5-IN. JAWS. Opens to 5 in. Takes ⅛ to 2-in. pipe.
84WC5428MB—Sells nationally for $16.50. Wt. 27 lbs. **$12.65**

15 ***POWR-KRAFT*** **Quick-Acting Heavy Duty Woodworkers Vises.** Professional quality. 90° turn of cam under stationary jaw instantly disengages movable jaw from continuous screw to quick action movement. Cast-iron jaws have resinwood faces—seldom furnished with other vises. Adjustable front jaw "stop." Wood handle. *Mail.*

Cat. No.	84WC3180M	84WC3181MB	84WC3182MB
Jaw Width	6 in.	8 in.	10 in.
Jaw Depth	3¼ in.	3⅝ in.	3⅝ in.
Opens to	7 in.	9 in.	12 in.
Screw	¾ in. diam.	⅞ in. diam.	1 in. diam.
Guide rod	⅝ in. diam.	¾ in. diam.	⅞ in. diam.
Ship. wt.	14 lbs.	29 lbs.	35 lbs.
Price	$9.50	$13.50	$15.50

16 ***POWR-KRAFT*** **Medium Duty Woodworking Vise.** Continuous ⅝-in. diameter screw. 7-in. cast-iron jaws, 3¼-in. deep open to 7 in. Holes for mounting faces. Sturdy steel handle. *Mailable.*
84 WC 3179 M—Wt. 12 lbs. **$6.50**

17 **Light Duty Vise.** Continuous ⅝-in. diameter screw. 6½-in. wide cast-iron jaws, 2⅜ in. deep open to 4½ in. Has holes for mounting wood faces. Wt. 6 lbs.
84 WC 3159 . . . . . **$3.95**



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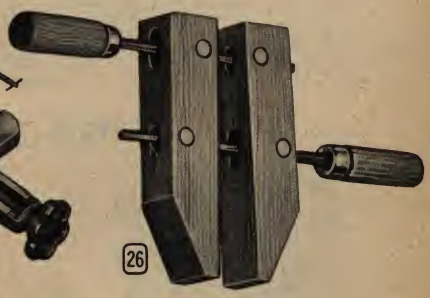


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26

Easy-To-Use Woodworking and Gluing Accessories For Strong and Lasting Joints

18 **10 Assorted Dowel Rods.** All 16 in. long in the following diameters: Four ¼ in.; three ⅜ in.; one ½ in.; one ⅝ in. and one ¾ in.
84 WC 3176—Wt. 1 lb. . Assortment **47c**

19 **Dowel Centers.** For perfectly centered joints without measuring. Accurate and time-saving. Two each of ¼, ⅜ and ½-in. sizes. In plastic box.
84 WC 3177—Ship. wt. 4 oz. . . . Set **79c**

20 **White Liquid Glue.** Forms strong bond with wood, paper, fibers, pottery, ceramics, etc. Dries clear, is moisture resistant. Ready to use in squeeze bottle—no mixing. *Postpaid.*
84 WCP 3170—4 oz. Size. **60c**
84 WCP 3168—1 Pint Size. **$1.75**

21 **Weldwood Powered Resin Glue.** Perfect water-resistant, stain free bond for wood. Mixes easily with water.
84 WCP 3174—8 oz. Can. *Pstpd.* **65c**

22 **Miter Vise and Corner Clamp.** Holds work at 90° for gluing, nailing, doweling of frames, windows, etc. Opens to 3¼ in. Ship. wt. 1 lb. each.
84 WC 3154—Ea., **$1.17**; 4 for **$4.46**

23 **Heavy-Duty Miter Vise and Corner Clamp.** For perfectly square corner joints. Clamp any molding up to 4 inches wide and join any frame larger than 3½x3½ in. Holds two sides of frame firmly in position for nailing or gluing. Universal base tilts. *Mailable.*
84 WC 3156 M—Wt. 15 lbs. Ea. **$21.50**

Buy shop supplies you need now and enjoy using them while you pay for them. Only 10% Down on purchases of $20 or more. See Page 44.

24 **Malleable Iron "C" Clamps.** Self-adjusting swivel head.
84 WC 3160 L—*Mail. State size.*

Size	Depth	Wt. ea.	Each	2 for
1 in.	1 in.	5 oz.	23c	43c
2 in.	1 in.	7 oz.	29c	54c
3 in.	2 in.	1 lb.	67c	$1.23
4 in.	3 in.	1¾ lbs.	$1.13	2.07
5 in.	3¼ in.	2½ lbs.	1.37	2.63
6 in.	3½ in.	3 lbs.	1.57	2.93
8 in.	4 in.	4½ lbs.	2.32	4.31

25 **Aluminum Alloy "C" Clamps.** Strong, lightweight, rust-proof. Perfect for model and pattern makers. Save 8 to 10% by buying two.
84 WC 3167—*State Size and Quantity.*

Size	Depth	Wt. ea.	Each	2 for
1 in.	1 in.	2 oz.	31c	57c
2 in.	1 in.	3 oz.	45c	81c
3 in.	2 in.	8 oz.	79c	$1.45
4 in.	3 in.	13 oz.	$1.16	2.09

26 **Jorgensen Steel Spindle Handscrews.** For equal pressure on flush or angular work. Hard Maple jaws and handles.
84 W C3153—*State length wanted.*

Jaw Length	8 in.	10 in.	12 in.
Jaw Opens	4½ in.	6 in.	8½ in.
Jaw Reach.	4 in.	5 in.	6 in.
Ship. wt.	2½ lbs.	3½ lbs.	5½ lbs.
Each	$3.69	$4.25	$4.79

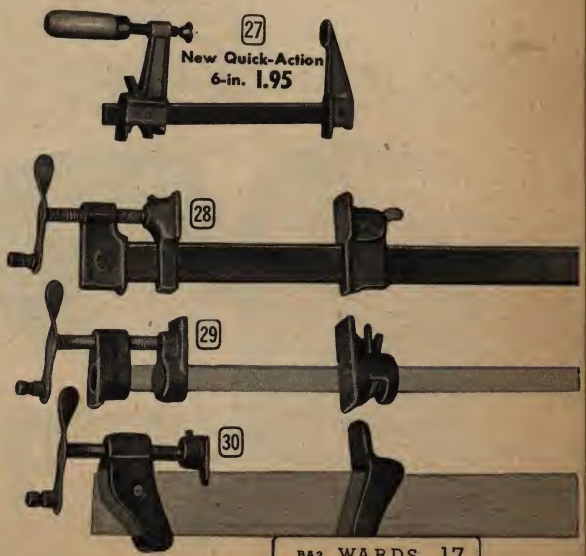
Bar Clamps . . . Low as $1.95

27 **New Jorgensen "Extended" Clutch-Disc Bar Clamps.** Adjustable clamp grips ¼x¾-in. bar at any point. Will not slip—allows sliding-head to be zipped to position against work. Easy release from top or bottom. Malleable iron casting, cold-drawn steel screw, hard Maple handle. Jaw reach of 2½ in. from edge of bar to center of screw. *State size.* Wts. 1½ and 2 lbs. each.
84 WC 3155—Max. opening 6 in.. Ea. **$1.95**; 2 for **$3.75**
Max. opening 12 in. . . . . Ea. **2.25**; 2 for **4.25**

28 **Cabinet Maker's Adjustable Bar Clamps.** Steel and cast-iron construction. 1¾x2-in. jaw face. Sliding jaw spring-locks on ¼x1½-in. steel bar. Crank adjustment of 4½ inches. Acme threaded screw. *Mailable. State size and quantity.* Wts. 9 and 10 lbs. each.
84 WC 3152 M—Opens to 3 ft. Ea. **$4.98**; 2 for **$9.50**
Opens to 4 ft. Ea. **5.45**; 2 for **10.35**

29 **Spring Tension Gluing Clamp.** Use with any length of ¾-in. threaded pipe (not included). 1½x1⅞-in. jaw face. Hand crank adjusts to 1⅞ inches. Save by buying two. Ship. wt. 3 lbs. 8 oz. each.
84 WC 3151L. . . . . Each **$2.24**; 2 for **$4.18**

30 **Gluing Clamp.** Use with any length of 1⅜x2½-in. lumber (not included). 1⅝x1¾-in. sliding jaw face. Hand crank adjusts to 27/16 in.
84 WC 3150 L—Wt. 4 lbs. ea. Each **$2.17**; 2 for **$4.08**



27 New Quick-Action 6-in. 1.95

28

29

30



1 $49.95
$5 DOWN

Rugged...Vibration-Free 1/3-HP Electric Grinder

- Built for heavy-duty use in workshops and factories
- Powerful motor runs smoothly on grease-sealed ball bearings

1 **1/3-HP *POWR-KRAFT* Heavy-Duty Grinder.** Finest model available at this low price. Designed for production use—grinding, sharpening, finishing, polishing, deburring, etc. Dependable, fully enclosed 1/3-HP Capacitor motor has Formvar insulation. All parts enclosed for protection against grit. UL Approved. Full-load speed 3450 RPM. Precision ground steel shaft. On-Off toggle switch. Distance between wheels 15½ in. Cast-iron base. Enclosed wheel guards have dust exhaust ports. Safety glass shields, spark breakers. Adjustable tool rests rotate with guards. 2 vitrified aluminum oxide wheels. 6x1x5/8-in.—one 60 grit, one 36 grit. Operates on 110–120-v., 60-cycle AC. With 10-ft. 3-wire cord, plug.
84 WC 5116 R—*Not Mail.* Ship. wt. 40 lbs. $5 Down, $5 Monthly...Cash **$49.95**



2 $68.95
$7 DOWN

3 $34.95
$3.50 DOWN

2 **½-HP *POWR-KRAFT* Heavy-Duty Grinder.** Built for heavy-duty industrial use in factories, machine shops, farm and home shops. For all grinding, sharpening, finishing, etc. Fully enclosed ½-HP Capacitor motor has Formvar insulation and grease-sealed ball bearings. Precision ground steel shaft. UL Appr. No-load speed 3450 RPM. Heavy cast-iron base with wheel guards and dust exhaust ports. Adjustable safety glass shields, spark breakers. Adjustable cast-iron tool rests rotate with guard. Has 2 vitrified aluminum oxide wheels, 7x1x5/8-in.—one 60 grit, one 36 grit. 110–120-v., 60-cycle, AC. With 3-wire cord, plug.
84 WC 5115 R—*Not Mail.* Ship. wt. 82 lbs. $7 Down, $7 Month.....Cash **$68.95**

3 **¼-HP *POWR-KRAFT* Standard Grinder.** Fully enclosed ¼-HP split-phase motor, 3450 RPM—with grease-sealed ball bearings. UL Approved. For general grinding, sharpening, etc. Precision ground steel shaft. Enclosed steel wheel guards, adjustable tool rests and safety glass shields. Two vitrified aluminum oxide wheels —one 60 grit, one 36 grit. 110–120-v., 60-cycle AC. With cord, plug.
84 WC 5114 MB—Ship. wt. 32 lbs. $3.50 Down, $5 Month.....Cash **$34.95**



4 $9.50
Grinder Only



5 $14.95
Grinder Only



6 $24.95
$2.50 DOWN
Grinder Only

All *POWR-KRAFT* Belt-Driven Grinders Run on Shielded Precision Ball-Bearings

- Wheels project beyond front of housing, allowing you to grind across wheels . . . drive from below or behind, from any angle
- Heavy cast-iron frames for minimum vibration . . . steel wheel guards . . . precision ground shafts . . . adjustable tool rests

4 **5-In. Bench Grinder.** For general use by homeowners, small shops, etc. Two 5x1-in. vitrified wheels (one 100, one 60 grit). Precision-ground shaft 9 9/16x5/8-in., turned down for ½-in. arbor wheels. Base 4x5-in., 2-in. diam. pulley takes "V" or round belt. Steel wheel guards, adjustable tool rests.
84 WC 5151M—*Mail.* Ship. wt. 22 lbs.....**$9.50**

Complete Outfit. Includes grinder (4) above, ¼-HP 1725 RPM motor, motor pulley and belt. *Mailable.*
84 WC 5152 YB—Wt. 34 lbs. $2.50 Down, Cash **$24.95**

5 **6-In. Bench Grinder.** For heavy-duty garage and production work. Shaft 11¼x¾-in., turned down for 5/8-in. arbor wheels. Base 4¾x6¾-in., 2-in. diam. pulley takes "V" or round belt. Two 6x1¼-in. grinding wheels (one 60, one 36 grit). Extra heavy adjustable tool rest. Precision ground shaft.
84 WC 5154 MB—Ship. wt. 22 lbs.....**$14.95**

Complete Outfit. Includes grinder (5) listed above, ¼-HP 1725 RPM motor, motor pulley and belt. $3 Down.
84 WC 5155 YB—Ship. wt. 43 lbs.....Cash **$29.95**

6 **8-In. Bench Grinder.** For heaviest duty work in garages, production shops, farm, home shops, etc. Shaft 16¾x1 in., turned down for ¾-in. arbor wheels. Base 6x3½-in.; 2 5/8-in. diameter combination "V" or flat belt pulley 4-in. wide. Two 8x1¼-in. grinding wheels (60 and 36 grit). With adj. tool rest.
84 WC 5157 MO—Wt. 44 lbs. $2.50 Dn...Cash **$24.95**

Complete Outfit. Includes grinder (6) above, ¼-HP 1725 RPM motor, motor pulley and belt.
84 WC 5158 YO—Wt. 65 lbs. $4 Down..Cash **$39.95**



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7 **Belt Driven Wet Grinder.** Extra heavy duty. Fine even surface of 10x1½-in. Ohio sandstone wheel gives keen, sharp edge to all tools. Rigidly built cast-iron frame will withstand continuous heavy-duty industrial use. Operates in water at slow speed (125 RPM) to prevent drawing temper from tools. With adjustable cast-iron tool rest. Complete with ¼-HP 1725 RPM "Formvar" insulated split-phase motor, motor pulley and V belt. Ship. wt. 52 lbs.
84 WC 5286 YB—**Complete as shown.** *Mailable.* $3 Down, $5 per Month.....or Cash **$29.95**
84 WC 5285 MB—**Wet Grinder above less Motor, Pulley, Belt.** *Mail.* Ship. wt. 31 lbs..... **14.95**

8 **Polishing Head.** Takes accessories ½ to ¾ in. thick. Height to spindle center 5 in. Shaft ½-in. diam., 24-thread, 7⅜ in. long. With 1½-in. diam. V pulley. Ship. wt. 4 lbs.
84 WC 2768—Use 1725 RPM motor, 3-in. motor pulley (not included).....**$2.69**

9 **Sand-O-Flex Contour Sander.** For curved or irregular surfaces. Fits ½- or 5/8-in. diam. arbors; use with flexible shaft or directly on motor shaft. 3-in. diameter head. *Mailed Postpaid.*
84 WCP 2730—With garnet abrasive cartridge, 6 brushes.....**$5.98**

Refills for Sand-O-Flex Contour Sander above. State Fine, Med., Coarse.
84 WCP 2732—Garnet abrasive cartridge. For wood. *Postpaid.*Each **47c**
84 WCP 2733—Aluminum Oxide cartridge. For metal. *Postpaid.*Each **47c**
84 WCP 2734—Brushes for Sand-O-Flex. *Postpaid.* Pkg. of 6.....**89c**



10

10 **Hand Grinder.** Heavy iron, dustproof gear case. Hardened alloy steel gears, accurately cut; high speed ratio of gears for easier turning. Adjustable tool rest. Self-lubricating bronze bearings. Steel handle, wood grip. With 80-grit, 5x1-in. vitrified aluminum oxide wheel.
84 WC 5250—5/8-in. arbor hole. Wt. 5 lbs. 8 oz. *Mailable*.....**$3.75**

Make Wards Your Headquarters for Grinding Supplies



11 Sanding Discs. Use aluminum oxide for wood or metal. *State Grit.* Fine—F, Medium—M, Coarse—C, Extra Coarse—XC.

Cat. No.	Diam.	Hole	Grit	Abrasive	Wt.	Price
84WC9345	4 in.	¼ in.	F,M,C,XC	Alum. Oxide	10 oz.	10 for 49c
84WC9346	5 in.	¼ in.	F,M,C,XC	Alum. Oxide	8 oz.	10 for 75c
84WC9347	6 in.	¼ in.	F,M,C,XC	Alum. Oxide	6 oz.	5 for 49c
84WC2286	8 in.	2 in.	Assorted	Garnet	6 oz.	5 for 49c
84WCP2978	12 in.	None	F,M,C,Asst.	Garnet	*Ppd.*	6 for $2.45

12 Cloth Buffing Wheels. ⅜-in. face. ½-in. arbor. *State diam.*
84 WC 2784—4-in. diam. Ship. wt. 4 oz..Each **39c**; 3 for **$1.10**
6-in. diameter. Ship. wt. 7 oz.....Each **63c**; 3 for **1.83**
8-in. diameter. Ship. wt. 12 oz.....Each **90c**; 3 for **2.64**

13 Wire Scratch Brushes. *State Catalog Number and diameter wanted.* 8-in. diameter has ⅝-in. arbor hole—all others have ½-in. hole. Ship. wts. 8, 12 oz., 1¼ lbs.

84 WC 2778—**Fine Wire.**
4-in. diam.....**90c**
6-in. diam.....**$1.30**

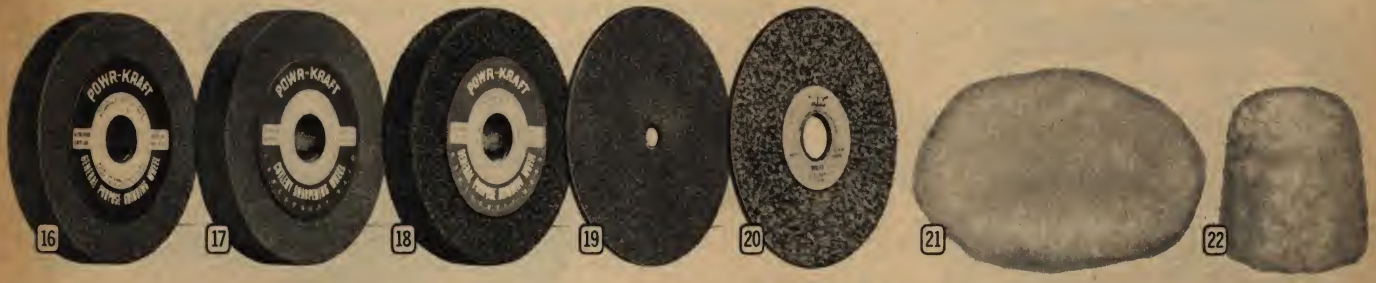
84 WC 2779—**Coarse Wire.**
4-in. diam.....**63c**
6-in. diam.....**98c**
8-in. diam.....**$1.23**

14 Aluminum Oxide Sanding Belts. For sanding wood or metal. Endless construction, for use on belt type power sanders. *State Catalog Number and Fine (F), Medium (M) or Coarse(C) grit.*

Catalog No.	Size, In.	Grit	Fits Sanders	Ship.wt.	Each
84 WC 9350	2x17½	F, M, C	84 WC 8550, 9326	2 oz.	39c
84 WC 8531	3x24	F, M, C	84 WC 8560 M, 8511M	3 oz.	45c
84 WC 2729	4x36	F, M, C	84 WC 2705 M, 2719M	4 oz.	59c
84 WCP 3388	6x48	F, M, C	84 WC 2726R, 3474	*Pstpd.*	$1.75

15 Shopsmith Sanding Sleeves. 2⅝-in. diam., 3-in. wide. *Pstpd.*
84 WCP 3133—*State* Fine, Med., Coarse, Asst. grit...6 for **$1.45**

Small Sanding Sleeves. Choice of 3 sizes: 1x1-in., 1½x1½-in., 2x2-in. Fits 84 WC 9330 on P. 43. Choice of fine, medium, coarse grit.
84 WC 9351—*State grit, diam.* Ship. wt. set 5 oz.....Set of 5 **45c**



16 TO 18 *POWR-KRAFT* Vitrified Wheels. Top quality, fully vitrified, long-wearing aluminum oxide abrasive—perfectly balanced. Perfect replacement wheels for all grinders. Dress finished on sides and face. Use EXTRA-FINE grit for sharpening; FINE for finish grinding, polishing; MEDIUM FINE for preparing surfaces for finishing; MEDIUM COARSE for machine shop; COARSE for stock removal. Wheel sizes 4, 5, 6 and 7-in. have 1-in. center hole with choice of ¼, ⅜, ½, ⅝, ¾ bushing; 8-in. wheels have 1½-in. center hole with choice of ⅝, ¾, 1, 1¼ bushing 8-in. wheels will be leaded to meet exact shaft size, if specified. Leaded wheels Mailed Promptly from Chicago Factory, others from Stock with required bushing. *State wheel diam., thickness, shaft size.*

Diameter, Thick. Inches	Ship. wt. lbs.	16 Med. Fine 60-Grit 84 WC 5201L	Fine 100-Grit 84 WC 5200L	17 Extra Fine 200-Grit 84 WC 5203L	18 Med. Crse. 36-Grit 84 WC 5204L
4 x ½	1	67c	67c	79c	**Be sure to state shaft size when ordering.**
4 x ¾	2	79c	79c	89c	
5 x ¾	2	$1.15	$1.15	$1.19	
5 x 1	3	1.27	1.27	1.39	
6 x ¾	3	1.35	1.35	1.39	$1.35
6 x 1	3	1.50	1.50	1.60	1.50
6 x 1¼	4	1.70	1.70	1.85	1.70
7 x ¾	4	1.60	1.60	1.70	1.60
7 x 1	5	1.85	1.85	1.95	1.85
8 x 1	6	2.29	2.29	.....	2.29
8 x 1¼	8	2.60	2.60	.....	2.60

19 Rubber Bonded Cut-Off Wheels. A favorite with both amateur and professional machine operators. 60 grit aluminum oxide. Cuts steel, brass, cast iron, glass bars. Recommended operating speeds: 6-in. wheel, 5729 RPM. 8-in. wheel, 4297 RPM.
84 WC 5213 L—*State diam.* 6-in. diam. with ½-in. hole. Ship. wt. 2 lbs.....**89c**
8-in. diameter with ⅝-in. hole. Ship. wt. 3 lbs.....**98c**

20 "MX" Cut-Off Wheels. Unusually safe wheels for high speed cutting off of metallic as well as non-metallic materials. Use for finish grinding on side or edge. Cotton fabric and abrasive construction for greater safety—will not shatter. 24-grit. 1-in. hole, bushing furnished for smaller holes. *State* wheel diameter, hole size. *Postpaid.*
84 WCP 5242—6x3/32-in.....**$2.15**; 7x3/32-in.....**$2.85**; 8x3/32-in.....**$3.60**

Safety Information for Vitrified Wheels

Don't grind on wheel sides. Don't use flanges smaller than shown. Use wheel guards covering ¾ of wheel. Use shatterproof eyeshields or safety goggles. Don't exceed maximum RPM shown on wheels. Stand aside for about 1 min. after starting wheel. Observe instructions shown on wheels. For maximum blade life—cut with a blade that's built for the job. The wide range in density and hardness of masonry materials makes the selection of a correct cutting tool especially important.

Speeds for Vitrified Wheels 16 to 18			
Wheel	Flange	Recom'd	Maximum
4 in.	1¾ in.	5729 RPM	6301 RPM
5 in.	1¾ in.	4584 RPM	5042 RPM
6 in.	2 in.	3820 RPM	4202 RPM
7 in.	2½ in.	3274 RPM	3601 RPM
8 in.	3 in.	2865 RPM	3151 RPM
10 in.	3½ in.	2292 RPM	2521 RPM
12 in.	4 in.	1910 RPM	2101 RPM

21 Shopsmith Lambswool Polishing Pad. Deep wool pile. 6-in. diameter.
84 WCP 3128—Fits on 6-in. face plate or disc. *Postpaid*.....**$1.75**

22 Shopsmith Lambswool Polishing Bonnet. Fits sanding drum.
84 WCP 3129—Mailed *Postpaid*.....**$1.75**

23 Bench Stone. Vitrified silicon carbide. Combination coarse, fine grit.
84 WC 4128—6x2x1-in. Ship. wt. 12 oz.....**$1.55**

24 Buffing Compound Assortment. Includes four 5-oz. bars. Ship. wt. 2 lbs.
84 WC 2785--One each of Tripoli, White Rouge, Red Rouge, Emery..**65c**

25 Hand Sander. For small sanding jobs. Gives even pressure and contact. Steel frame, zinc plated. Abrasive cloth over rubber cushion.
84 WC 4109—With 1 roll of abrasive cloth. Ship. wt. 6 oz.....**75c**
84 WC 4110—Refill rolls for (25). Medium grit. Ship. wt. 2 oz.....3 for **45c**

26 Emery Cloth. Handy packages of 6 assorted grit sheets. Ship. wt. 4 oz.
84 WC 4119—4½x5½-in. sheets.....3 packages **69c**
84 WC 4121—9x11-in. sheets. State 00, 0 or 1 grit.....6 for **98c**

27 Sandpaper Sheets. In handy packages of 15. Assorted grits.
84 WC 4113—4½x5½-in. sheets. Ship. wt. 2 lbs. 4 oz.....3 pkgs. **59c**
84 WC 4115—9x10-in. sheets. *State: Fine, Medium or Coarse grit.*

Grit	Sheets	Ship. wt.	Price	Sheets	Ship. wt.	Price
Fine	25	1 lb. 4 oz.	65c	100	5 lbs.	$1.75
Medium	25	1 lb. 12 oz.	75c	100	7 lbs.	2.35
Coarse	25	2 lbs. 4 oz.	89c	100	9 lbs.	3.19

Aluminum Oxide Sanding Sheets. Fit most portable sanders. *State grit.*

Catalog No.	Size, in.	Grits	Fits Sanders pg. 36, 37	Ship. wt.	Pkg. of 12
84 WC 8513	2½x7 1/16	Assorted	84 WC 8519	8 oz.	25c
84 WC 8518	3⅛x7½	Assorted	84 WC 8517	8 oz.	39c
84 WC 8509	3⅝x9	Assorted	84 WC 8508,8516,8541,8555	8 oz.	55c
84 WC 8532	4½x6½	Assorted	84 WC 8524	8 oz.	45c

Use aluminum oxide sanding sheets above on wood or metal. Designed and sized especially for power sanders. Last longer than sandpaper.



Only Wards Offer

STAND UP UNDER TOUGH, EVERYDAY USE AND



Beaver 14-In. Throat Heavy-Duty Band Saw

- **Built to meet most exacting professional requirements**
- **For those who want the very finest band saw available**
- **Cuts to center of 28-in. circle, up to 7½-in. thick**

[1] **$186.95**
$19.00 DOWN

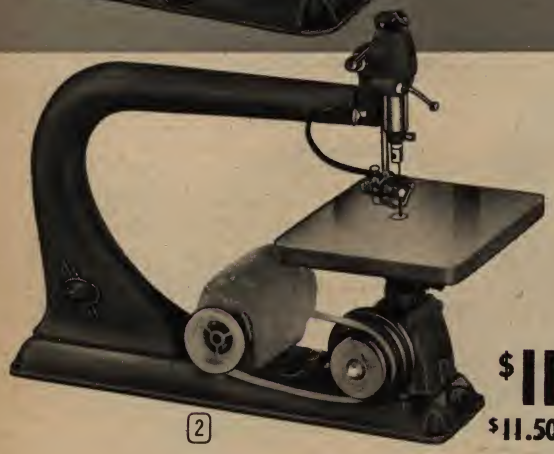
[1] Precision manufactured to rigid specifications by a Canadian firm which has established an enviable reputation for unsurpassed quality. Preferred by many cabinet makers and in small millwork plants where rugged construction, large output and close tolerances are essential. Also for the advanced craftsman who wants the finest quality band saw available. Will absorb plenty of punishment. Large capacity—can consistently produce at rated maximum capacity.

Massive cast aluminum construction withstands rugged everyday use, protecting working parts and keeping saw perfectly aligned. Cast aluminum rubber-tired saw wheels mounted on double grease-sealed ball bearings, balanced and interchangeable. Upper wheels adjustable for true blade tracking and spring-loaded for blade tension. Cast steel table mounted on cast iron trunnion tilts 45° angle to the right, 10° to the left; degree of angle shown on tilt indicator, positive stop for returning to true horizontal position. Gray wrinkle finish.

Grease-sealed double ball bearings. Interchangeable upper, lower saw guides, hardened steel side guides. 18½x2½-in. rip fence can be used on both sides of blade. Both ends lock with single locking lever. Miter gauge graduated 60° with extension stop rods. 8-in. diam pulley. Cast semi-steel table 15x15-in., extends 8½-in. ahead of blade. Soft metal insert. Cast aluminum frame.

Size overall 20¾x30x45-in. Base size 19½x8½-in. With ¼x100-in. saw blade, miter gauge, rip fence. Order motor separately below, 4-in. diam. motor pulley and ½x58-in. V-belt from Page 10. For extra blades order 100-in. lengths from 84 WC 2331K on Page 7. Ship. wt. 124 lbs. Shipped promptly to you from Factory near Detroit, Michigan. $19 Down on Terms.
84 WC 2345 F–$13 Monthly. Cash **$186.95**

½-HP Powr-Kraft Capacitor Motor for Above. Precision grease-sealed ball bearings. See Page 12 for complete description. Ship. wt. 28 lbs.
83 WC 4541 MB—*Mailable*.....$30.50



[2]

$112.95
$11.50 DOWN

$149.95
[3] **$15.00 DOWN**



[4] [4]

24-in. Beaver Jig Saw

[2] **Heavy-duty ball bearing belt driven model.** Modern design, with all features necessary to fill the requirements of the professional craftsman, production worker or hobbyist. Throat depth of 24-in. . . cuts to center of 48-in. circle, to 2¾-in. thick. Ball bearing crank shaft runs in forced feed oil bath. Built-in sawdust blower. Blade tension adjusts to all types of plain end blades from 5 to 7-in. length.

15x13-in. cast semi-steel table tilts up to 45°. Adjustable blade guide with blade thrust roller. Adjustable hold down. Upper housing easily removed for filing or saber sawing. Table and universal-type chucks on drive shaft and upper shaft rotate to 90° to accommodate long work. Lower chuck takes files and sanding sticks with ¼-in. diameter shanks, as well as saber blades. Blade tension indicated on scale.

Cast iron base 7½ in. wide, 33 in. long. 4-step "V" machine and motor pulleys provide 450-800-1270 and 1965 strokes per minute. (Motor pulley fits ½ or ⅝-in. diameter motor shafts). ½x34-in. "V" belt also included. Made in Canada, but shipped from Factory near Detroit, Michigan. Allow 1 week extra time for warehouse handling. *Not Mail.*
84 WC 2371F–Ship. wt. 112 lbs. $11.50 Down. . Cash **$112.95**

⅓-HP Split-Phase Motor For Jig Saw Above. Meets or exceeds NEMA performance specifications. For easy starting jobs. Long life, full power, fan-cooled. Heavy-gauge welded steel frame. Develop 2 times rated capacity for starting. Rotation easily reversed. "Formvar" and Mylar® insulation resists heat and moisture. Full load speed 1725 RPM. For 110–120-volt, 60 cycle AC. Slotted base. Mounting dimensions 2¾x4¼. Beige finish. *Mailable.*
83 WC 4504 MB–With 8-ft. cord, plug. Ship. wt. 22 lbs. **$16.50**

No Need to Wait—Get the Things You Need Now. Only 10% Down Payment Required on Orders of $20 or More. See Page 44 for details on Wards Monthly Payment Plan.

Beaver Heavy Duty 6-in. Jointer-Planer

[3] **Professional Quality Model.** Designed and built to meet exacting requirements of skilled craftsmen and production shops. Runs smoothly and quietly on Timken tapered roller bearings mounted between heavy adjustable steel trunnions. Cutter head and pulley machined in one piece from solid steel bar stock with three slots for alloy steel cutter knives. Head and blades are precision machined to close tolerances and perfectly balanced. Maximum depth of cut and rabbet is ⅝-in. Table adjusts to desired cutting depth by hand knob. Machined cast semi-steel fence tilts to 90°—locks rigidly at any angle. Fence assembly mounted on two 1-in. ground steel bars securely fastened to rear table. Accurate scale indicates degrees of tilt. Steel support rod permits any depth of cut without changing clearance between front guard and rear table. Rear guard fastened securely to fence, has 6-in. scale for setting desired cutting width. Infeed table 7⅜x16½ in. Size overall 22x35x13½-in. ½x50-in. belt included. 8-in. diam. motor pulley recommended (not included). Made in Canada and shipped promptly from Factory near Detroit, Mich. Ship. wt. 162 lbs.
84 WC 2516 F—$15.00 Down. .Cash **$149.95**

Motor For Beaver Lathe Above. See Page 12.
83 WC 4541 MB—Ship. wt. 28 lbs.....$30.50

[4] **Table Extension Rollers.** Attach on Jointer-Planer (3) above. Gives 18½-in. more table working area. Mounting holes are provided in Jointer. Shipped promptly to you from Factory near Detroit, Michigan.
84 WC 2517 K–*Mail.* Ship. wt. 13 lbs. Pr. **$12.95**

[5] **Beaver Power Tool Legs.** Make your own stand to fit any power tool. Cast semi-steel. Made in Canada. Holes drilled in legs (wood not included). Ship. promptly from Factory near Detroit, Michigan.

31¼-In. High Legs. For Beaver Jig Saw and Bench Model Drill Press. Set of 4 legs.
84 WC 2958 K—Ship. wt. 31 lbs.....Set **$16.50**

24½-In. High Legs. For Beaver Band Saw and Jointer-Planer. Set of 4 legs.
84 WC 2957 K—Ship. wt. 26 lbs.....Set **$16.50**

SATISFACTION GUARANTEED. If for any reason, you are not completely satisfied with any article purchased from us, you may exchange it for what you want or be refunded what you paid.

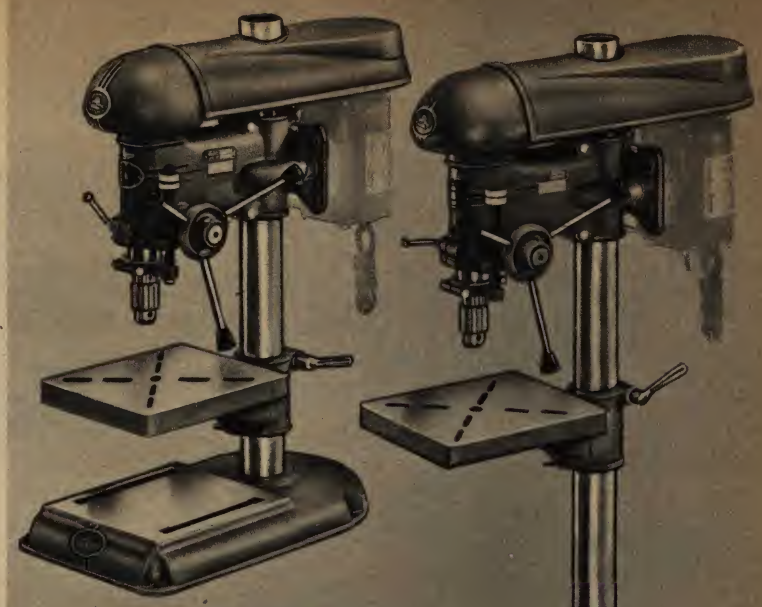
[5] **16.50 Set**



Beaver Power Tools

MAINTAIN HIGH OPERATING EFFICIENCY

Beaver 16-In. Drill Presses



6 $158.95
$16 DOWN

6 7 Multi-purpose tools capable of dozens of varied workshop operations such as routing, mortising, planing, grinding, etc. Of all stationary power tools, the drill press is the most versatile. Multiple-step pulley arrangement gives it an exceptionally wide range of speeds, making it suitable for many types of operations on wood, metal, glass, plastics, etc. Designed for maximum efficiency in craft or industrial work. Represents the utmost in fine engineering, workmanship and appearance. Features a legible, accurate and adjustable depth scale, an adjustable stop gauge, 4 timken taper roller bearings, angle tilt table, completely shrouded pulleys and belt, and five-step V pulleys. For drill press accessories, see Page 9.

Construction Features: Semi-steel cast head incorporates motor bracket mounting rod recesses and friction clamps on column and quill. Nickel chrome alloy steel spindle—embodies six involute splines mounted in quill on two Timken taper roller bearings with easily accessible adjustment features and heavy duty return spring. Adjustable friction scale for accurate depth control; adjustable stop for production depth control. 3-lever handle with knobs provide ample feed pressure with minimum effort. Spindle pulley is double keyed to separate shaft. Pulley shaft is mounted on two adjustable Timken tapered roller bearings. Includes genuine Jacobs key chuck, which fits snugly on tapered end of spindle—provides gripping power for greatest drilling accuracy. Ball bearing motors must be used on all drill presses, since motors are mounted in vertical position. ⅓ to ½-HP capacitor type motors are recommended. Tables on drill presses can be tilted, allowing work to be drilled and tooled at accurate angles, adding to versatility of unit. ½x46-in. "V" belt and 5 step "V" motor pulley with ½ and ⅝-in. arbor holes included. Shipped promptly from Factory near Detroit, Mich.

Choose Between Floor Model and Bench Model

Floor model is 70-in. high; 39¾-in. from chuck to table; 45-in. from chuck to base. Bench model is 40 in. high; 11½-in. from chuck to table; 17¾-in. from chuck to base. Specifications listed at right.

(6) Bench Model Drill Press. Ship. wt. 180 lbs.
84WC2544 F–$16 Down, $11 Monthly Cash **$158.95**

(7) Floor Model Drill Press. Ship. wt. 208 lbs.
84WC2542 F–$18 Down, $12 Monthly Cash **$179.95**

⅓-HP Capacitor Motor. Description on Page 12.
83 WC 4540 MB—$3 Down, $5 Month. Cash **$26.50**

TABLE OF DRILLING SPEEDS for high-speed drills; divide by two when using carbon steel drills.

Drill Diam.	Alum. Brass	Cast Iron	Mild Steel	Mall. Iron	Tool Steel	Cast Steel
⅛ in.	9170	4584	3056	2745	1528	1220
¼ in.	4585	2292	1528	1375	764	610
⅜ in.	3056	1528	1019	915	510	407
½ in.	2287	1146	764	636	382	305

BEAVER DRILL PRESS SPECIFICATIONS

Capacity	16-in.
Column to Spindle	8½-in.
Quill Travel	4½-in.
Column Diameter	3-in.
Spindle Bearing	Taper Roller Bearing
Thrust	Taper Roller Bearing
RPM Range	600-1270-1725-2340-4840
Table Size	12½x11¼-in.
Table Tilts	360 degrees
Base Table	11⅞x11-in.
Base Size	23½x14-in.



$179.95
$18 DOWN

7

HINT ON REPLACING JOINTER BLADES. When truing cutter blades after sharpening, check bevel behind cutting edge. If more than 1/32-in. wide, grind off heels to prevent friction which spoil temper of knives, produce glazed surface on wood.

Beaver Production-Type Wood Shaper



$84.95
$8.50 DOWN

8

8 **Ball Bearing Model.** Offers unlimited possibilities for making beautiful mouldings on straight and curved surfaces—just like those found on expensive furniture. In addition, it cuts tongue and groove joints, tenons and does many other jobs. Gives projects that finished "cabinetmaker's touch."

Interchangeable spindles permit use of 5/16 and ½-in. bore shaper cutters. They run in sealed-for-life ball bearings. Spindle height control under front of table makes adjustment easy. Locks quickly in place with convenient lock handle. 25¼-in. fence (when fully extended) is completely adjustable front, back and endwise—both sides adjust independently. Table measures 15½x18-in. and is finished ground for accuracy in all operations. Guard completely covers motor, belt and pulleys to give operator the maximum protection at all times. Includes shaper fence, 5/16 and ½-in. spindle, table insert, starting pin, belt and pulley guard, spindle pulley and wrenches. Recommend 5-in. diam. motor pulley and ½x30-in. V-belt (not included). Shipped promptly from Factory near Detroit, Michigan. See Complete Credit Terms on Page 44.

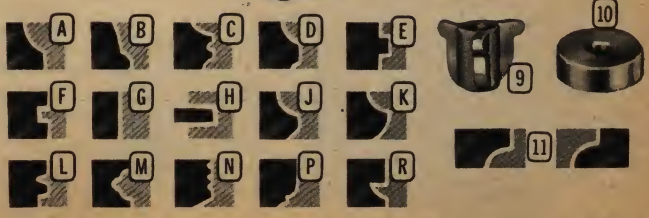
84 WC 2485 KO—Ship. wt. 48 lbs. $8.50 Down, $8 Monthly.....or Cash **$84.95**

½-HP Ball Bearing Capacitor Motor for above Shaper. 3450 RPM. Ship. wt. 30 lbs.
83 WC 4596 MB—*Mailable.* Complete description on Pg. 12. $3.50 Dn.Cash **$30.50**

9 **Magna ½-In. Bore Shaper Cutters.** Use on shapers, Shopsmith or drill presses. Alloy steel. 1-in. width cut. 1¾-in. diam. Proper heel clearance prevents burning, eliminates drag. Edges angled for true shaving cut. *Postpaid.*
84 WCP 3138—*State Profile Letter* (A) to (R) listed at right.....Each **$2.45**

10 **Shaper Collars.** Mount with shaper cutters to control depth of cut.
84 WCP 3139—Magna ½-in. bore. Assorted sizes. Set of 4, *Postpaid*...**$2.25**

11 **Magna Dropleaf Table Shaper Cutter Set.** ½-in. bore. *Postpaid.*
84 WCP 3141—One for dropleaf, one for table edge.....Set **$4.95**



HINTS FOR WIRING YOUR WORKSHOP. In wiring your workshop, it is advisable to run two circuits—one for lighting, the other for power tools. This avoids dimming of lights when motors are started and also maintains lighting if a fuse blows on the power tool circuit. Power tool circuits should be 20 amps.



Ⓐ **$322.95**
$32.50 DOWN
$15 MO.





Ⓑ **$126.95**
$13 DOWN
$10 MONTH

Big Capacity 12-In. Radial Saw

CUTS LUMBER UP TO 4⅝ INCHES THICK

- **12-in. model runs smoothly on 8 grease-sealed ball bearings**
- **Wide range of uses; performs all operations pictured above**
- **Radial arm is tempered, precision-ground square steel tubing**

Ⓐ ***POWR-KRAFT*** **Production Model.** Easily handles joists, rafters, studding, concrete forms, foundations, scaffolding, dados for beams, sills, partitions, etc. Saw pulls through work; lumber remains stationary. Cuts up to 4⅝ in. deep through 22 in. at vertical position and up to 3 in. deep through 14 in. at 45° on compound cuts. Arm travels 29 in. Rips to center of 58-in. material. Cut-off capacity 4⅝ by 22 in. or 1 in. by 27 in. Swings 45° either direction. Tilts to 90° for shaping. Blade raises and lowers 6 in. Will clear 1½ in. above table top when blade is in vertical position. Steel column. Angle iron platform with 1½x11½x34¾ in. adjustable wood table. ¾-in. saw arbor in ball bearing housing. Cast-iron motor base and motor mount, 10⅛x9½ in. Size overall 32x44 in. Includes: 12-in. comb. crosscut-rip-miter saw blade, double 2½-in. diam. by ¾-in. arbor motor pulley, double 2¼-in. diam. saw pulley, two "V" belts. Shipped promptly from Stock in Baltimore.

84 WC 2278 RT—Ship. wt. 310 lbs. $32.50 Down on Terms.....Cash **$322.95**

1½-HP 3450 RPM Ball Bearing Motor for Above. (See Pg. 12 for description.)
83 WC 4599 MO—Ship. wt. 56 lbs. $6.50 Down, $6 Month.....Cash **$62.50**

Heavy Duty 10-In. Swing Saw

IDEAL FOR CONTRACTORS AND CARPENTERS

- **Runs smoothly on New Departure grease-sealed ball bearings**
- **Spring action returns saw to original position after using**
- **Use for cut-off, mitering, grooving, ripping, and dadoing**

Ⓑ ***POWR-KRAFT*** **Production Model.** Versatile tool designed for many operations. Even shaping is possible in vertical position. Easy to operate—just pull saw forward to cut, spring action returns it to original position. Maximum depth of cut 2½x12 in. Index grooved at 90° cut off, 45° right and left and 90° rip positions. Positive lock holds firmly. Vertical depth adjusts to 4 in. by screw handle. ⅝-in. arbor runs smoothly, quietly on New Departure ball bearings. Lightweight cast-aluminum removable belt and blade guard. Cast-iron swing and fork assembly. Strong, rigid tubular steel column. Wood work table mounted on steel base. Work table 34¾x11½x1½ in.; steel base size 12¹⁵⁄₁₆x21½ in. Height 45½ in. Use 6, 8, or 10 in. by ⅝-in. bore dado heads listed on Page 14. With 10-in. combination crosscut-rip-miter blade, 2½-in. pulley, 2½-in. motor pulley (⅝-in. bore) and 36-in. "V" belt. Shipped promptly from Stock in Baltimore, Md. Ship. wt. 140 lbs.

84 WC 2279 RT—$13 Down, $10 per Month on Terms.....Cash **$126.95**

1-HP 3450 RPM Ball Bearing Motor for Above Saw. See Page 12 for details.
83 WC 4598 MB—Shipped from Stock. Wt. 34 lbs. $4.50 Down..Cash **$43.95**



Ⓒ **$216.95**
$22 DOWN
$15 MONTH

10-In. Model

Tilting Arbor Floor Model Saws

10 AND 12-IN. HEAVY DUTY BALL BEARING MODELS

- **Will cross-cut, rip, miter, bevel, cut-off, double miter, angle rip and dado**
- **Blade, ball bearing arbor and motor tilt up to 45°—table remains level**
- **Easy-to-operate hand wheels control depth of cut and tilt, see view (1)**

Ⓒ ***POWR-KRAFT*** **Production Models.** Built to withstand heavy production work in cabinet shops, factories, etc. Entire blade, arbor and motor mount tilt up to 45° as a single unit on sturdy cast-iron trunnions. Motor bracket fits standard ½ to 2-HP motors see View (2). Self-indexing miter gauge adjusts to 60° right or left, has stops at 90°, 45°. With crosscut-rip-miter blade.

10-In. Model. Cuts to depth of 2⅞ in. vertically; to 2¼ in. at 45°. Cast-iron main table 20x27 in.; with extensions 32x27 in. Table extends 12⅜ in. in front of blade. ⅝-in. diam. arbor. 2¼-in. "V" saw pulley, 2½-in. "V" motor pulley and ½x42-in. "V" belt. Floor to table 34¼ in.

84 WC 2272 RT—Wt. 270 lbs. Ship. promptly from Stock in Baltimore, Md. $22 Dn. Cash **$216.95**
83 WC 4598 MB—**1-HP 3450 RPM Capacitor Motor.** (See Page 12). Ship. wt. 34 lbs... **43.95**

12-In. Model. Cuts to depth of 4¼ in. vertically, to 2¾ in. at 45°. Smooth ground cast-iron table, 31x34 in., extends 14½ in. in front of blade. ¾-in. diam. arbor with double 2¼-in. "V" saw pulley, double 2½-in. (¾-in. bore) "V" motor pulley, two ½x48-in. "V" belts. 34¼ in. high.

84 WC 2277 RT—Wt. 380 lbs. Ship. promptly from Stock in Baltimore. $30 Dn..Cash **$299.95**

1½-HP 3450 RPM Capacitor Motor (See description on Page 12.)
83 WC 4599 MO—Ship. wt. 56 lbs. $6.50 Down.....Cash **$62.50**

Ⓓ **Radial Saw Stand.** Fits radial saw (A) above only. Heavy sheet metal legs attach to platform of Radial Saw. Height of legs is 29½ inches. Raises saw about 26½ inches. Ship. wt. 38 lbs. Shipped promptly from Stock in Baltimore, Md.

84 WC 2264 MT—$2 Down, $5 Month.....Cash **$19.95**



Ⓓ **$19.95**
$2 DOWN

See Page 44 for Details of Wards Monthly Payment Plan.



Ⓔ $175.20
$18 DOWN
$12 MONTH



Ⓖ $258.50
$26 DOWN
$17 MONTH



Ⓙ $395.00
110 Volt
$39.50 DOWN
$18 MONTH

Ⓕ $38.80

Ⓗ $49.50

"K Line" Ball Bearing Planers

FOR PRODUCTION USE IN CABINET SHOPS, ETC.

- **Exceptionally accurate tools—both models will hold cut to within .001 of an inch**
- **Precision-built and perfectly balanced cutter heads; New Departure ball bearings**
- **Heavy-duty Thickness planers—withstand constant pressure of continuous operation**

Ⓔ TO Ⓗ Precision-built tool for use in pattern shops, cabinet shops, boat works, mills, schools, home workshops. Will do big capacity work quickly, easily and accurately. Excellent for surfacing stock, and at the same time for reducing lumber to desired thickness. Does extremely accurate surfacing on all types of stock with small power consumption.

Depth of cut is regulated by hand wheel which raises and lowers work table. Minimum depth of cut 1/16 inch, maximum 1/8 in. Minimum length of stock that can be handled 4¼ inches. Power feed rate 9 feet per minute. Grease-sealed ball bearings assure smooth, quiet, vibration-free operation.

Cutter head fitted with 3 high-carbon, hi-chrome steel blades—tempered and heat-treated to withstand high speed use and still retain sharp cutting edge. Cutter operates at 3600 RPM with knives making 100 cuts per inch of travel of stock. Machined surfaces ground to close tolerances to assure accurate, balanced operation. Thickness planers and stands below shipped promptly by Freight or Truck from Factory in Toledo, Ohio. Pay freight from there.



Ⓔ **10-in. Heavy Duty Power and Hand Feed Model.** Equipped with hand crank for feeding stock into planer (view at left); prevents tearing of curly grained woods. Operator regulates speed to suit texture of wood. Handles lumber up to 2¾ in. thick by 10 in. wide. Infeed roller of bar steel with corrugated and hardened surface mounted in bronze bearings. Feed roll pressure adjusted by means of pressure screws. Gray iron table 11 by 14 in. moves by hand wheel at rate of 1/16 inch per revolution. With precision graduated gauge for measuring depth of cut. Size overall 18 by 12 by 12 in. Order motor and stand separately below.

84 WC 2518 F—Ship. wt. 132 lbs. $18 Down, $12 Month....Cash **$175.20**

Motor for Planer (E) above. ¾-HP sleeve bearing repulsion-induction type. Meets NEMA and AIEE specifications. For 110–120/220–240 volt, 60-cycle single-phase AC. (See Page 13.)

83 WC 4612 MO—Ship. wt. 43 lbs. *State horsepower.* Shipped from Stock. $6 Down....Cash **$56.00**

Ⓕ **Steel Stand for Planer (E) above.** Heavy gauge steel assures vibration-free accuracy for long-life service. Encloses motor and driving pulley.

84 WC 2522 F—Size overall 15x22½x30¼ in. Ship. wt. 75 lbs. $4 Down.....Cash **$38.80**



Ⓖ **12½-In. Heavy Duty Power Feed Production Model.** Handles lumber up to 4 by 12½ in., planes to uniform thickness. Positive chain drive, sturdy cast-iron gears (see view at left). Infeed rolls of solid bar stock with ground bearing surfaces. Coarse straight knurl roller delivers ample driving power with minimum amount of gumming. Outfeed rolls covered with neoprene rubber to prevent marring stock. Adjustable compression spring tension. Hand wheel control advances table 1/32 in. for each revolution, through twin self-locking worm gears of bronze and steel; micrometer adjustment. Aluminum hand wheel located on right-hand corner of machine—a safe, convenient position for operator—no extra motion of bending or stepping to side. Chip breaker keeps chips away from operating side. Table 12¼x20 in. is semi-steel gray iron casting with polished surface. Power feed drive only. Size overall: 22 by 20 by 18 in. Order motor and stand separately below.

84 WC 2504 F—Ship. wt. 182 lbs. $26 Down, $17 Monthly on Terms.....Cash **$258.50**

Motor for Planer (G) above. 1½-HP ball bearing Repulsion-Induction type. (See Page 13.)

83 WC 4640 R—Ship. wt. 90 lbs. *State horsepower.* Shipped from Stock. $11 Down.....Cash **$110.00**

Ⓗ **Steel Stand for Planer (G) above.** Encloses motor and driving pulley. 20½x26x29 in. overall.

84 WC 2523 F—Ship. wt. 103 lbs. $5 Down, $5 Month.....Cash **$49.50**

Router-Shaper-Carver

3-IN-1 COMBINATION UNIT

- **Powerful high-speed 20,000 RPM models**
- **Use on plastics, aluminum as well as wood**
- **Head easily changes position in 30 seconds**

Ⓙ ***POWR-KRAFT*** **Combination Router-Shaper-Carver.** Compact 3-in-1 unit for cabinet and carpenter shops, furniture factories, mills, model makers, etc. The only tool of its kind—shapes, carves, routs faster, smoother yet is priced at only a fraction of the cost of 3 machines performing equal work. Head changes position in 30 seconds from vertical routing position to horizontal position for carving or under-table position for shaping (see views below). 18x14-in. cast-iron table. Foot pedal raises or lowers table 1⅜ in. Head moves up and down 8½ in.—raising mechanism provides ease in setting. Lock on pedal slot holds table in raised position for routing. Six guide pins included for duplicate routing or veining.

Lock under table fastens motor to table for shaping. Chuck holds shaping adapter close to front bearing for support required for smooth cuts.

Head swivels to allow freedom of movement for carving. Carving cutter adapter furnished. Threaded ⅜ in.—24 thread to fit standard cutters.

Special universal type motor. Develops 1200 watts maximum output at spindle (746 watts equal 1 HP). No-load spindle speed of about 20,000 RPM provides smooth, vibrationless cutting. Armature, spindle supported on 4 ball bearings. 25–60 cycle AC–DC. Includes: carving spindle (threaded ⅜x24), collet chucks for ¼, 5/16, ⅜ and ½-in. diam. shank router bits; adapters for 5/16 and ½-in. bore shaper cutters; 6 guide pins; shaper fence. Size: 21x30x54 in. Ship. wt. 275 lbs. Shipped promptly from Factory in Chicago by Freight or Express.

84 WC 2482 F–For 110 volt. $39.50 Dn., Cash **$395.00**

84 WC 2483 F–For 220 volt. $40.50 Dn., Cash **405.00**

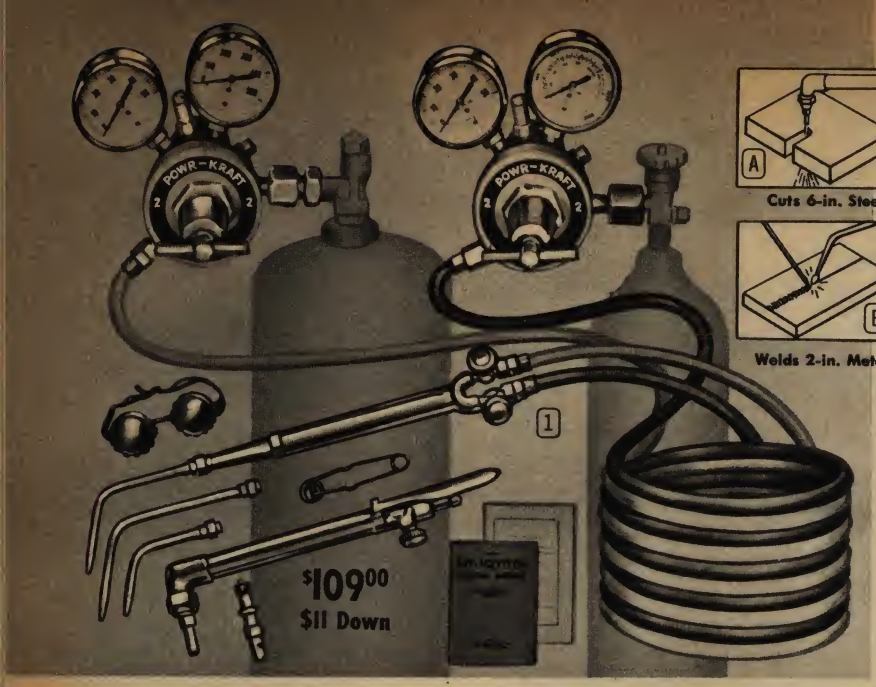


Handles Heavy or Light Shaping Operations



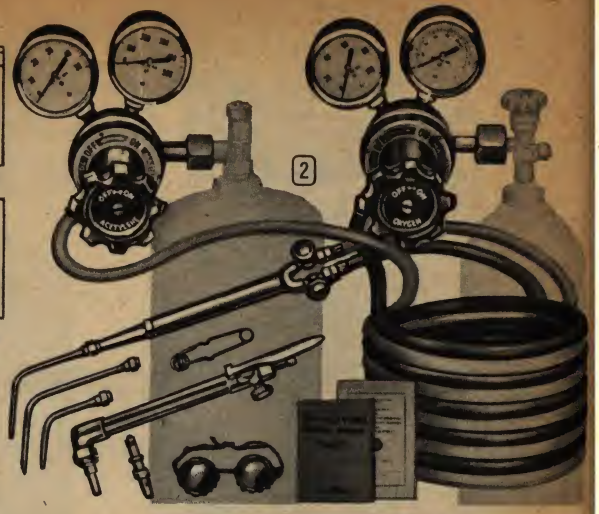
Intricate Carving

Satisfaction Guaranteed



Cuts 6-in. Steel

Welds 2-in. Metal



2-Stage Gas Welder $127.50 $13 Down

- Maintains Constant Delivery Pressure from Start to Finish
- Welds Metal Up to 2 In. Thick, Cuts Metal To 6 In. Thick

Compare With Welders Selling for $30 More

- Performance, quality equal to welding-cutting outfits selling for $139.00
- Will weld metals up to 2 in. thick; cut through steel up to 6 in. thick
- Finest materials and precision construction for long, trouble-free service

[1] **Powr-Kraft Single Stage Welding and Cutting Outfit.** Designed by Harris Calorific—the finest name in gas welding equipment for over 50 years. Welding torch and cutting attachment approved by Wards Laboratories after severest tests. Precision workmanship and careful selection of materials for each part insures long life and trouble free operation. Single stage regulators UL Approved. Precision-ground, hand-fitted joints prevent leakage. All parts in contact with gas are made of non-ferrous metal to prevent corrosion and provide longer, safer service.

Welding Torch. Balanced, equal pressure type—welds metal up to 2 in. thick, see view (B) above. Handles all size tips—no extra mixing chamber needed. Mixing chamber outside of torch handle for maximum safety. Swivel type tips permit left or right-hand operation; will not backfire—4 times flame range of ordinary fixed tips.

Cutting Attachment cuts through steel up to 6 in. thick, see view (A) above.

Oxygen and Acetylene Regulators have large 7-sq. in. diaphragm—assures sensitive control, constant, even flame. 2½-in. diam. gauges. Oxygen regulator has 100 and 3000-lb. gauges, acetylene 50 and 500-lb. Adapter included to fit standard acetylene cylinders. (Oxygen and acetylene gas available locally in cylinders without rental.)

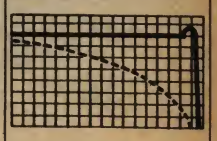
WELDING AND CUTTING OUTFIT. Includes: welding torch, 3 welding tips, sizes 3, 5 and 7; cutting attachment; 2 cutting tips, sizes 1 and 3; oxygen regulator; acetylene regulator with adapter; goggles; torch lighter; wrench; easy-to-follow instructions; 25-ft. of heavy-duty welding hose. Ship. wt. 25 lbs. *Mailable.*

84 WC 5876 MB—Only $11 Down; $10 per Month.....Cash **$109.00**

WELDING OUTFIT ONLY. Same as (1) above but without cutting attachment. Includes welding torch; 5 welding tips; oxygen regulator; acetylene regulator with adapter; goggles; torch lighter; wrench; instructions; 25-ft. welding hose. *Mailable.*

84 WC 5875 MB—Ship. wt. 24 lbs. Only $8.50 Down; $8 per Month.....Cash **$83.50**

[2] **Powr-Kraft Two-Stage Regulator Outfit.** Affords new safety, accuracy and dependability. Regulators maintain constant delivery pressure from start to finish (see graph at right); enables operator to devote full time to welding. Wards best-selling constant-pressure 2-Stage Welding and Cutting Set.



Dotted line in graph above indicates pressure change in cylinder as gas is used, requires frequent adjustment. **Heavy line** indicates constant pressure maintained at torch with a 2-stage regulator.

Made exclusively for Wards by Harris Calorific—manufacturers of finest gas welding equipment for more than 50 years. We know of no other welder with top quality features at anywhere near this low price. Diaphragm built to withstand impact of full cylinder pressure. Patented "on-off" feature. Oxygen regulator has 100- and 3000-lb. gauges, acetylene 50- and 500-lb. Adapter included to fit standard acetylene cylinders.

Workmanship of the highest quality—every part tested by Wards Laboratories. All parts UL Approved. Precision-ground, hand-fitted joints prevent leakage. All parts in contact with gas are non-ferrous metal to prevent corrosion.

Welding Torch is balanced equal-pressure type of drawn brass. Non-flash mixer handles all size tips—no extra mixing chamber needed. Precision-fit needle valves for fine adjustments. Nozzle-type tips have 4 times flame range of ordinary fixed tips. Swivel-type—permit left- or right-hand operation. Scientific design of tips insures positive sealing of oxygen.

Cutting Attachment. Solid drawn brass—built to withstand all operational abuse. Has easy lever control—cuts steel up to 6 in. thick.

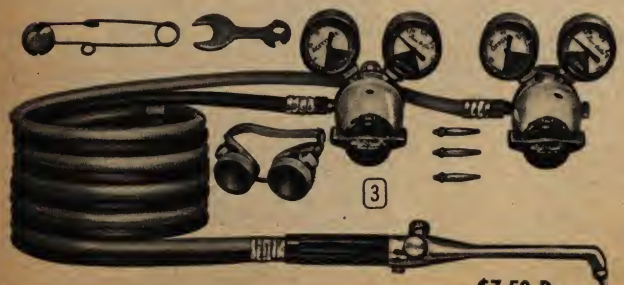
Complete Outfit Includes: welding torch, 3 welding tips, sizes 3, 5 and 7, weld up to 2-in. metal; cutting attachment; 2 acetylene cutting tips, sizes 1 and 3; two-stage oxygen and acetylene regulators with adapter; goggles; torch lighter; wrench; easy-to-follow instruction books; and 25-ft. length of heavy-duty twin hose. *Mailed* promptly from Stock.

84WC5877 MB–Ship. wt. 28 lbs. $13 Down; $10 Month. Cash **$127.50**

Ward Welders Fully Guaranteed for One Year—Any Welder, used and cared for according to instructions, will be replaced free of charge if found defective.

Buy New Welding Outfit Now, Pay Later on Wards Monthly Payment Plan

Don't put off those welding jobs another day—buy your new outfit now for only 10% Down on Wards easy Monthly Payment Plan. Pay for it as you use it. Complete details of Terms including Table of Monthly Payments on Page 44.



Prest-O-Lite "420" Outfit . . . Only $7.50 Down

- New, improved outfit is easily portable yet does all jobs quickly, easily
- Weld, cut, braze, heat or solder with same blowpipe—simply change the tip

[3] **Economical Welding and Cutting Outfit.** Weld, cut, braze, heat, solder with same blowpipe—tips easily changed in seconds. Welds metals up to 5/16 in., cuts steel up to 3/8 in. thick with tips included; up to 2 in. thick with tips listed below. Cartridge-type mixer (usually found only on more expensive sets) prevents flash-backs, assures constant flame. Accurate safety gauges; acetylene has 30- and 400-lb. gauges. Ruggedly constructed—solid brass body, sturdy heat-resistant Bakelite handle.

Includes: combination welding-cutting blowpipe; 3 welding and 1 cutting tip; oxygen and acetylene regulators; 12½-ft. twin hoses; lighter; wrench; goggles; instructions.

84 WC 5830 M—Ship. wt. 12 lbs. *Mailable.* $7.50 Down; $7 Month.....or Cash **$74.50**

Four Extra Welding and Cutting Tips. Handle wider range of jobs. Fit (3) above.

84 WC 5826—Ship. wt. 6 oz.....Set of Four **$10.25**

$74.50 $7.50 Dn., $7 Mo.

Protect Yourself With Wards Safety Equipment

New Fiber Glass Welding Helmet for Safety and Comfort

- **Molded of durable, lightweight fiber glass for comfort and full protection**
- **Lens flips up for easy inspection of work—no need to lift whole helmet**
- **New ratchet-type head band adjusts easily to assure comfortable fit**





4 **Our Finest Helmet.** Designed to provide complete face protection and the utmost in comfort. Molded in one smooth piece of durable, lightweight and heat-resistant fiber glass, one of the finest heat insulators available. Lens slides into lens holder—makes lens changing quick and easy. Holder flips up for close inspection of work. Order Protective and Cover Lenses listed below.
84 WC 5900 L—Ship. wt. 2 lbs. 8 oz.....**$10.50**

$10.50
New Fiber Glass Helmet



5 **Welders' Gloves.** Horsehide. Chrome tanned. Ship. wt. 1 lb.
84 WC 5960—Large.....Pair **$2.89**

6 **Asbestos Gloves.** 14-in. basket weave. Flannel lined. Complete finger action. Ship. wt. 1½ lbs.
84 WC 5959—Large.....Pair **$3.89**

7 **Cowhide Apron.** 24x36 in.
84 WC 5908—Wt. 2 lbs....**$6.95**



8 **Welding Helmet.** Insulated fiber with riveted seams. No. 10 lens.
84 WC 5965 L—Wt. 2 lbs. 2 oz. **$3.95**

9 **Professional Welding Helmet.**
84 WC 5966 L—Wt. 2 lbs. 12 oz. **$7.95**

10 **Safety Face Shield.** Fiber.
84 WC 5902 L—Ship. wt. 1 lb. **$2.49**

Extra Safety Shield for above.
84 WC 5903—Ship. wt. 8 oz...**$1.09**



11 12 **Protective Goggles.** Thorough eye protection, comfort. Easy adjustment to any facial width. Light-shielded ports for cooling air flow.

(11) Chipping and Grinding Goggles. Clear, hardened lens.
84 WC 5906—Ship. wt. 8 oz.....**$2.09**

(12) Welder's Goggles. Heavy, dark lens protects against flare, splash.
84 WC 5905—Ship. wt. 8 oz.....**$2.49**

13 **Protective Lens.** 2x4¼ in. For helmets (4), (8), (9) and (10). Ship. wt. each, 1 oz.
No. 9—Electrodes to 3/32-in.
No. 10—For Electrodes to ⅛-in.
No. 11—For Electrodes to 5/32-in.
84 WC 5961—*State No.*...Ea. **89c**

Cover Lens. Saves protective lens from chipping, breakage. 2x4¼ in.
84 WC 5962—Wt. 1 oz....3 for **59c**



14 **Single Stage Regulators.** Same as described in outfit (1) opposite page. Ship. wt. ea. 6 lbs. 8 oz.
84 WC 5888—Oxygen Regulator. $2.50 Down..Cash **$22.95**
84 WC 5889—Acetylene Regulator. $2.50 Dn...Cash **21.50**

15 **Dual-Type Welding Hose.** Oxygen and acetylene hose in one unit. Brass couplings. Resists heat and oil.
84 WC 5896—25-ft. length. Ship. wt. 7 lbs.....**$13.95**

16 **Cutting Attachment.** Fits Outfit (1), Torches (18), (19). Cuts steel to 10 in. thick. Lever control. UL Appr.
84 WC 5883—Tips not incl. Wt. 2 lbs. 8 oz.....**$17.50**

17 **Cutting Tips.** Fit (1), (2), (16), (19). No. 1 cuts to 1 in. thick; No. 2 to 2½ in.; No. 3 to 6 in.; No. 4 to 10 in. *State size.*
84 WC 5884—Wt. 6 oz...Each **$3.95**

18 **Welding Torch.** Welds metal up to 2 in. thick. Same torch as described in sets (1) and (2) on opposite page. UL Approved. Tips not included, order at right.
84 WC 5880—Wt. 2¼ lbs....**$14.95**



New Automatic Torch $34.95 $3.50 DOWN

- **Constant pilot saves time, work, gas**
- **Flip of the thumb gives full flame**

19 **Safer Than Regular Torches**—just a flick of your thumb reduces welding flame to a small, safe pilot flame . . . flick your thumb again and full welding flame is instantly restored. Eliminates repeated lighting of torch and continuous manipulation of valves—saves time, work and gas. Constructed of best-quality solid brass with carefully hand-fitted joints for long, trouble-free service. Cutting tips listed at left, welding tips listed below. $3.50 Down, $5 Monthly.
84 WC 5898—Ship. wt. 2 lbs.....Cash **$34.95**

20 **Welding Nozzle Tips.** Fit (19) above, (18) at left, sets listed on opposite page. Solid copper. Swivel type. Won't backfire. Sizes 1, 3, 5, 7, 9.
84 WC 5881—*State size.* Wt. ea. 10 oz.....Each **$1.95**



21 **Oxy-Acetylene Handbook.** Covers all phases of gas welding and cutting. Makes ideal text for metal working students, foremen, etc. 595 pages. 400 helpful illustrations show how to do professional-quality work.
84 WCP 5828—*Postpaid*....**$2.70**

22 **Welding and Cutting Manual.** Reference book for beginner or experienced welder. Includes 100 welding projects. Over 200 pages. Illustrated.
84 WCP 5827—*Postpaid*....**$1.80**



23 **Cast-Iron Flux.** One-pound can.
84 WC 5836—For welding. Wt. 1 lb. 4 oz..**59c**
84 WC 5837—For brazing. Wt. 1 lb. 4 oz.....**59c**

24 **Torch Lighter.** 2 extra flints included.
84 WC 5809—Ship. wt. 3 oz.....**59c**

25 **Acetylene Brazing Outfit.** Requires Acetylene only for operation. Lightweight, easy to use, versatile—brazes, solders, removes paint, etc. Includes: 6-in. handle, 5 ft. of 3/16-in. hose, tank and hose connections, copper soldering tip, paint burning tip and tip cleaner.
84 WC 5802—Ship. wt. 2 lbs. 12 oz.....**$12.95**



Rods for Every Use



26 **Macoloy Brazing Rods.** Melt at 1180°F. ⅛-in. diam., 14 in.
84 WC 5865 H—Ship. wt. 1 lb. 4 oz.....Lb. **$3.45**

Low as $1.19 5 lbs.

Mild Steel Oxy-Acetylene Welding Rods. About 36 inches long. Copper coated low carbon steel. *State rod diameter wanted.*
84 WC 5856H—Wt. 5 lbs. 8 oz.

Rod Diam.	No. of Rods	5 lbs.
1/16 in.	About 164	$1.49
⅛ in.	About 40	1.29
3/16 in.	About 18	1.29
¼ in.	About 10	1.19

Bronze Brazing Rods. Melt at 1600°F. 36 in. long. ⅛-in. size has about 6 rods per lb.; 3/16-in. about 3. Wt. each 1 lb. 8 oz.
84 WC 5857 H—⅛-in. diameter.....per lb. **$1.45**
3/16-in. diameter.....per lb. **1.39**

Cast-Iron Rods. For machineable welds. 24 in. Wt. 5½ lbs.
84 WC 5855 H—3/16-in. About 20 rods. **$1.89**
¼-in. About 12 rods.. **1.69**

Only 10% Down on order of $20 or more—no money down if you have an account at Wards. See Page 44 for complete details on Monthly Payments.



$169.00 $17 DOWN $12 MONTH

Equal to Welders Selling for $50 More

- **Has Capacity Equal to Similar Welders Selling for $219.00**
- **Welds Steel and Castings from 1/32 in. Thick to Heavy Plate**
- **Completely Guaranteed Against Defects for One Full Year**

1 ***POWR-KRAFT*** **180-Amp., 230-Volt Model.** Repair your own car fenders and bumpers; make your own tools and special machinery. Use 1/16 to 3/16-in. electrodes. 20 to 180-amps. 20% duty cycle. Oversize induction-type transformers. All parts fully guaranteed against defects in materials and workmanship under normal use for one year from purchase date. UL approved (Industrial Standards)—meets REA and NEMA requirements.

Use on 220–240-V. single-phase, 50 to 60 cycle AC. Max. line draw 33 amps. Operator's safety assured by low 58-Volt secondary system. Arc volts 30. Class "B" insulation guards against high temperatures, helps prevent burnout. Welded steel frame; 22¼x16¾x11-in. case; easily moved on 2 wheels.

Complete outfit: 8-ft. 3-conductor primary cable, receptacle; 20-ft. No. 4 electrode cable, insulated electrode holder; 15-ft. No. 4 ground cable, clamp, helmet, instructions. Shipped promptly from Stock by Freight or Truck. Check with local electric company before ordering. Ship. wt. 194 lbs.

84 WC 5938 R—*Not Mailable.* $17 Down. $12 per Month.....Cash **$169.00**



$99.50
$10 DOWN





$349.00
$35 DOWN



2 ***POWR-KRAFT*** **"Selfweld 100".** Designed for welding without previous experience. No arc to strike. Simply touch a "selfweld" electrode to joint, press switch and weld. Gives smooth, professional results.

Welds anything from 18-ga. sheet to heavy-plate. Maximum 100 amp. output with 6 taps at approx. 10 amp. intervals—range of 50 to 100 amps. 20% duty cycle. Maximum open circuit voltage 70 volts. For 208 or 230–240-volt single-phase fused 20 amp. 60 cycle AC.

Use "Selfweld" or conventional electrodes. Handles rods up to 1/8-in. diameter. "Selfweld" electrodes will not stick to workpiece when starting weld. Powdered iron coating helps maintain automatic arc. Adjustable leg on holder keeps rod at correct angle. Manual included (see below).

Complete unit. Includes: 8-ft. electrode cables; holder; 8-ft. 3-wire primary cable; 3-prong receptacle, 7-ft. ground cable, clamp; hand shield; 3 lbs. "Selfweld" electrodes; instructions. *Not Mail.* Wt. 89 lbs.

84 WC 5940 R—$10 Down, $9 per Month.....Cash, only **$99.50**

3 **Westinghouse 250-amp. AC-DC Model.** Advantages of both AC and DC welding. Single phase, selenium rectifier arc welder. Highest capacity model. For all types of fabrication welding using up to 3/16-in. rods. Whether you select AC or DC current you get high quality welding bonds. Fan cooled. Operates on 230-V. AC only. Guaranteed against breakage due to defects in workmanship or material for 1 year from purchase date, will be repaired or replaced free of charge if found defective.

AC welding current at 30 load v.: rated current 20% duty cycle, 200 amp., welding current range 25 to 250 amp., primary amp. rating 47. Open current voltage 66 volts. DC welding current at 25 load volts: rated current 20% duty cycle, 180 amperes, welding current range 20 to 200, primary amp. rating 47. Open circuit voltage 60 volts. Size overall, 36x19x12 in. Accessories not included. Shipped by Freight or Truck. Wt. 204 lbs.

84WC5927R—$35 Dn. $16 Mo. Cash **$349.00**

Accessory and Primary Cable Pack. Includes: 25-ft. welding cable, electrode lead, 20-ft. ground lead and clamp, helmet, rod holder and brush. 8-ft. long 3-conductor primary cable of No. 8 rubber-covered wire with three-pronged plug and receptacle. Ship. wt. 23 lbs. $5 per Month on Terms.

84 WC 5928 M—*Mail.* $3.50 Dn., Cash **$35.00**



4 **Welder's Sturdy Wire Brush.**
84 WC 5969—Wt. 12 oz...**39c**

5 **Electrode Holder.** For jobs up to 3000 amps—holds electrodes up to ¼ in. Air cooled.
84 WC 5916—Wt. 1 lb. 2 oz.**$3.95**

6 **Chipping Hammer.** Forged Steel. Wire handle.
84 WC 5976—Wt. 1 lb....**$2.09**

7 **Ground Clamp.** 300-amp. cap. Jaw spread 2¾ in.
84 WC 5973—Wt. 1 lb.....**$1.95**

8 **Welding Cable Lug.** Fits cable (9). Wt. each 1 oz.
84 WC 5964—For #1 cable..**35c**
For #2, 3 and 4 cable.....**29c**

9 **Welding Cable.** Resistant to moisture, oils, acids, changes in temperature. Many strands of 34 AWG annealed copper wire. High dielectric strength
84 WC 5963 H—*State wire size and length.*

Wire Size	Strands 34 AWG	Rated Cap. (up to 125ft.)	Wt. per ft.	Per foot
1	2109	250 amps.	4 oz.	40c
2	1672	200 amps.	3 oz.	32c
3	1330	150 amps.	2 oz.	26c
4	1064	100 amps.	1 oz.	22c

10 **Self-Welding Method Manual.** Describes "Self-welding" processes.
84 WCP 5983—*Postpaid*.....**$1.00**

11 **Arc Welding Lessons.** Ideal book for beginners. 343 pages.
84 WCP 5981—*Postpaid*.....**$1.00**

12 **"Selfweld" Electrodes.** Wt. 5½ lbs. *State diam.*
84WC5994–5/64-in. 200...**$2.79**; 3/32-in. 150...**$2.79**

"Fleetweld 47" Steel Rods. For mild steel, wrought iron.
84 WC 5991 MO—Ship. wts. 11, 52 lbs. *State rod size.*

Rod Size	Amp. Range	10-lb. Pkg.	50-lb. Pkg.
1/8 x14 in.	60x140	$3.39	$11.75
5/32x14 in.	90x200	3.39	11.75
3/16x14 in.	100x210	2.69	11.75
¼ x14 in.	160x250	2.69	11.75

"Fleetweld 180" Mild Steel Electrodes. For welding in vertical positions. *State size.* Ship. wts. 11 lbs.
84 WC 5995—1/8 x14-in. Range 60–140...10 lbs. **$2.95**
5/32x14-in. Range 90–200...10 lbs. **2.95**

Lincoln "Abrasoweld" Electrodes. Ship. wts. 11 lbs.
84 WC 5993—5/32-in. diam. 75–200 amp..10 lbs. **$4.69**
3/16-in. diam. 110–250 amp..10 lbs. **4.39**

Lincoln "Ferroweld" Rods. For cast iron. Wt. 11 lbs.
84 WC 5992—1/8x14-in. 80 amps.....Pkg. of 10 **$2.95**

13 **Carbon Arc Torch.** Thumb control. Automatic switch-off. 5/32-in. to 3/8-in. carbon cap. 100-amp. at 40 arc V. 10-ft. cord. Use with any arc welder — adds versatility to your welding equipment.
84 WC 5917—Wt. 3 lbs.**$12.50**

14 **Copper-Coated Carbons.** Use with Torch (13) or similar torches. Wt. 1 lb.
84 WC 5911—*State size.*
5/32 in.x6 in. long.10 for **$2.09**
¼ in.x6 in. long.10 for **1.19**
5/16 in.x6 in. long.10 for **1.29**
⅜ in.x6 in. long.10 for **1.49**

Plain Carbon Rods. ¼-inch diam. 6 in. long. Pkg. of 10.
84 WC 5912—Wt. 1 lb.....**49c**

NEW! Easy-to-use Sheet Metal Tools

START YOUR OWN METAL WORKING SHOP . . . FOR FUN OR PROFIT



1 **$73.50**
$7.50 DOWN



2 **$46.50**
$5 DOWN

12-in. Folder-Brake

1 **Does the work of both bar folder and brake.** Bends sheet metal up to 12 in. wide to practically any angle—makes metal trims, forms flanges, boxes, tabs, etc. Doubles as bar folder with work support bar removed—lets you make minimum reverse bends of 3/8 in. Handles sheet steel up to 20-gauge and softer metals up to 16-gauge. Positive angle stop adjusts to make neat, accurate bends of any angle from 0° to 135°.

Ruggedly constructed for trouble-free service, carefully designed for precision accuracy and ease of operation by even the beginning sheet metal worker. 18x18½x3¼ in. high. Ship. wt. 36 lbs. Only $7.50 Down, $7 Monthly on Terms.

84 WC 3289 MBT.....Cash **$73.50**

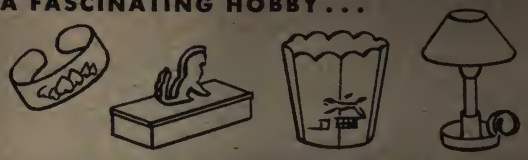
12-in. Slip Roll

2 **Accurately forms cylinders,** cones and reverse curves to any dimension down to diameter of 1 in. Two front rollers carry work through tool as handle is turned; adjustable rear roller curves sheet back in exact radius desired. Top roller lifts on one end for easy removal of closed work. Grooved rollers also permit rolling of wire. Handles sheet steel up to 20-gauge, even heavier gauges of softer metals.

Rugged cast-iron frame, machine cut gears and oilless spherical bronze bearing for long service, smooth and easy operation. Ground steel rollers, 1-in. diam., 12 in. long. 20¾x4¼x8 in. overall. Only $5 Down, $5 Monthly.

84 WC 3285 MT—Ship. wt. 18 lbs. **$46.50**

A FASCINATING HOBBY . . .



. . . A PROFITABLE OCCUPATION



- **All tools handle up to 20-gauge steel—even heavier gauges of aluminum, copper, zinc, pewter, etc.**
- **Professional quality—compactly built, yet rugged enough for use in light production sheet metal shop**
- **Designed for quick and easy operation by even beginning hobbyists and sheet metal shop students**



3

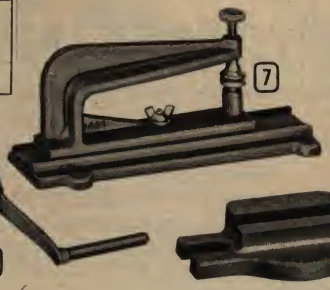


5

ONLY 10% DOWN ON WARDS TERMS



6



7

8



9 11 10

Nibbler—Slitter

3 **For contour cutting** or slitting of sheet metals. Adjustable cutters operate at 1750 strokes per minute. 12-in. throat. 8x8-in. table. Uses ¼-HP, 1725-RPM motor, ½x22-in. "V" belt and 2½-in. diam. V-pulley (not included; see Pages 10 and 12). Ship. wt. 43 lbs. $7 Down.

84 WC 3275 MOT—Cash . **$69.50**

4 **Belt, Pulley Guard** for above.
84 WC 3276T—Wt. 1 lb. **$3.09**

Hand Punch

5 **For hole punching,** corner cuts, notches, press fits, etc. Takes round punches from 1/8 to ½ in. diam. and special dies for design perforations. Punches interchangeable in single bolster plate. Rugged, precision construction. (Bolster Plate, Punches and Dies listed at right). Wt. 20 lbs.

84 WC 3278 MBT. . **$41.25**

6-in. Capacity Shear

6 **Does trimming, strip cutting** and outside contour cutting on sheet steel up to 20-gauge, 16-gauge on softer metals. Cuts strips up to 6 in. wide from any size sheet. Serrated upper roll feeds the work; hardened, tempered steel cutters make sharp, clean cuts. Single adjustment knob sets cutters quickly, easily. 4¾x11½x3¾ in. Only $3 Down.

84 WC 3283T—Ship. wt. 12 lbs. Cash **$29.50**

7 **Clamping Head.** Use with Shear above to cut circles up to 12 in. in diameter.
84 WC 3284T—Ship. wt. 7 lbs. **$13.35**

Blades, Punches and Dies

8 **Shear Blade Holder and Bolster Plate.** Cast iron. Fits Hand Punch (5). Shear cutting blades below.
84 WC 3281T—Less blades. Ship. wt. 2 lbs. . . . **$4.10**

9 **Shear Cutting Blades.** Cuts to 2 in. wide.
84 WC 3282T—Use with (8). Wt. 8 oz. **$2.95**

10 **Bolster Plate.** Use with Die Sets below. Cast iron.
84 WC 3279T—Ship. wt. 1 lb. **$2.10**

11 **Round Punch and Die Sets.** Tool steel. For Hand Punch (5). Ship. wt. 8 oz. *State size.*
84 WC 3280T—⅛; 3/16; ¼; 5/16; 3/8; ½ in. Each **$2.89**

Complete Sheet Metal Workshop . . . $334.75

- **One Compact Unit . . . 5 Primary Sheet Metal Tools Attached to Bench**
- **Handles All Types of Small and Medium Sheet Metal Work Easily**
- **Put Your Production to Work on a Profit Basis . . . Only $15.50 a Month**

12 **Complete 5-tool Workshop** will produce work of professional quality—for fun or profit. Stand provides proper clearances for use of each tool, yet is amazingly compact. Handles sheet steel up to 20-gauge, even heavier soft metals. Includes:

12-in. Brake—Bends sheets to almost any angle, makes simple metal trim. See (1).

12-in. Slip Roll—Forms cylinders, cones, reverse curves, rolls wire, etc. See (2).

Nibbler-Slitter—Roomy 12-in. throat. Cuts odd shapes, does scroll work. See (3). Use ¼-HP, 1725-RPM motor, 2½-in. diameter motor pulley and ½x22-in. "V" belt. Order motor, pulley and belt separately—see Pages 10 and 12.

Hand Punch—For hole punching, corner cuts, notches, press fits, etc. See (5).

Shear and Clamp Head—For trimming, strip and circle cutting, etc. See (6) and (7).

Tool Stand—Ruggedly constructed of heavy-gauge steel. 18x68x35 in. high.

84 WC 3287 RT—Complete Workshop. Ship. wt. 235 lbs. $33.50 Down. . . . . Cash **$334.75**
84 WC 3286 RT—Stand Only. Ship. wt. 80 lbs. $7 Down. . . . . Cash **68.50**

All sheet metal tools and accessories on this page shipped from Chicago Stock; order, pay shipping charges from usual Ward Mail Order House.

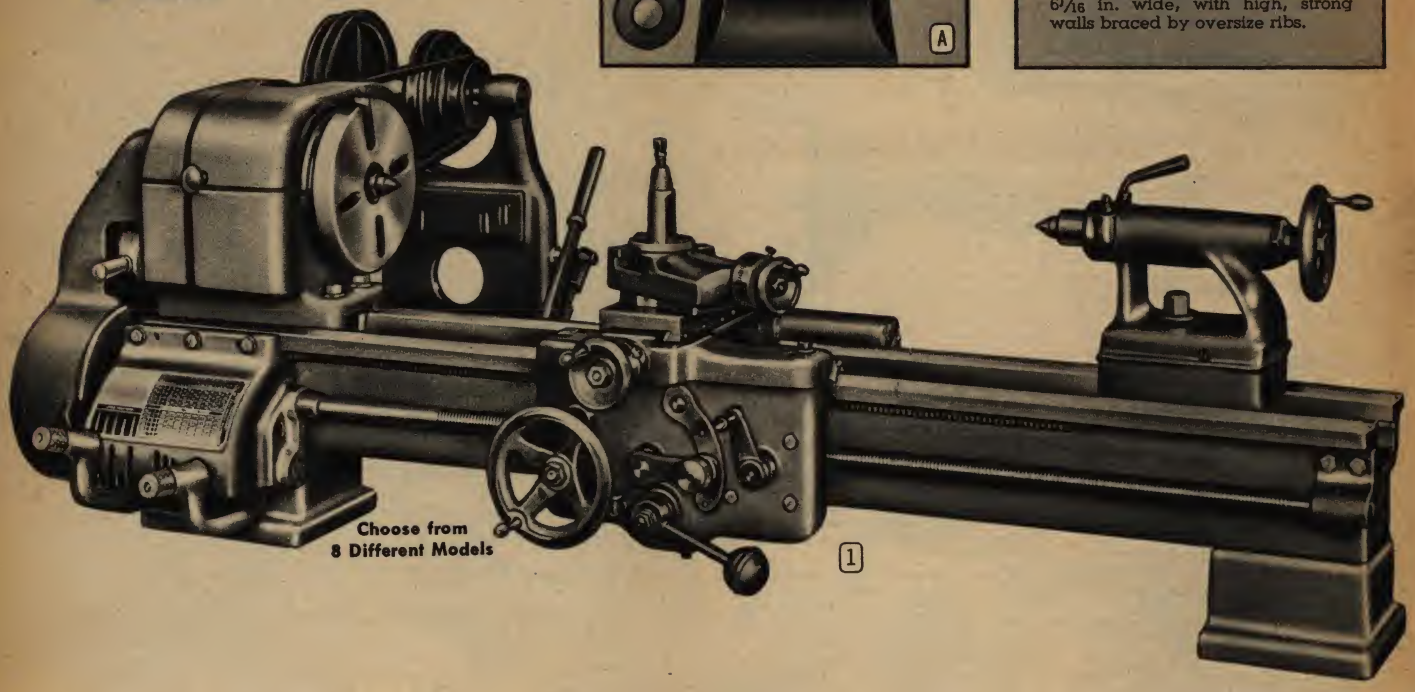


12 **$334.75**
$33.50 DOWN, $15.50 MONTH

Low as
$270.00
$27 Down
$17 Month



Two V-ways and two flat ways, (A) at left, are precision ground to within .0005 inch of parallelism within working surface for greater accuracy. Withstands heaviest bending and torsional stresses. Balanced sections of even thickness neutralize internal stresses. Special alloy construction and thorough seasoning make the Logan bed warp-free. 6 1/16 in. wide, with high, strong walls braced by oversize ribs.



Nationally-Known Logan 9-Inch Metal Lathes

BALL BEARING PRODUCTION MODELS—GUARANTEED ACCURATE TO WITHIN .001 INCH



Quick Change Gear Box. Converts plain change gear lathe to instant changing gear operation. 48 threads. Feeds either direction.



Automatic Oil-Type Apron operates from spline in lead screw through worm drive and friction clutch. Has automatic lock.



- **Choice of 17 in. or 28 in. between centers**
- **Grease-sealed ball bearing headstock spindle**
- **Bronze bearings at all other points of wear**
- **Total spindle run-out is less than .001 inch**
- **12 spindle speeds ranging from 55 to 1450 RPM**
- **½-in. collet capacity—25/32-in. spindle hole**

1 **Back Geared Screw Cutting Lathes.** Fine quality production tools especially designed for high-speed operation and sustained accuracy. Widely used by master mechanics, garages, trade schools, etc. Use on iron, steel, wood and plastics—for turning, milling, drilling, grinding, boring, cutting threads, winding coils and springs, etc. Precision-built by Logan Engineering Co. to assure long dependable service at low operation cost.

CAPACITY: 17 or 28 inches between centers. Swing over bed and saddle wings 9¼ in.; swing over cross slide 5 in. Length of bed 33 or 44 in. Width of bed across ways 6 1/16 in. Total spindle runout 12 in. from front bearings is less than .001 in. Reversible power longitudinal feed. 48 thread selections 4 to 224 per inch right or left-hand.

HEADSTOCK: Tempered, precision-ground steel spindle rides on grease-sealed pre-loaded ball bearings for smooth, vibration-free and accurate performance. Require no further lubrication, adjustment. Spindle nose diam. 1½ in.—8 right-hand threads per in. No. 3 Morse Taper with Adapter to No. 2 Morse Taper. Hole through spindle 25/32 in. Fully enclosed back gears have bronze bearing shaft.

TAILSTOCK, CARRIAGE AND CROSS SLIDE. Tailstock spindle travels 2⅜ in., grad. in 1/16ths—takes No. 2 Morse Taper accessories. Tailstock top sets over ½ in. for taper turning. Cross slide graduated in thousandths—travels 5½ in. Cross feed screw mounted on self-lubricating bronze bearings. Compound rest swivel graduated 90° in both directions. Tool post opening for tool holder shank ⅜x¾-in. Use with cutter bits up to ¼-inch square.

DRIVE: Countershaft assembly has self-lubricating bronze bearing. 3-step "V" belt cone pulley. Motor (not included) mounts on countershaft bracket. 30x½-in. "V" belt from motor pulley to countershaft; 44x½-in. "V" belt from countershaft to headstock.

LATHE INCLUDES FOLLOWING ACCESSORIES: 6-in. face plate, No. 3 to No. 2 Morse Taper Adapter, two 60° centers, tool post and wrench, 2-step motor pulley (*State ½ or 5/8-in. bore*), tailstock wrench, parts list, instructions.

Recommended for use with ⅓ HP 1725 RPM single shaft motor listed below. Accessories (2) (3) below fit this lathe only; other accessories on Pages 30, 31. Shipped promptly from Factory in Chicago, Ill.

17 In. Between Centers Lathes

Overall dimensions: 39x28x15 in. Length of bed 33 in.

Plain Change Gears, Plain Apron Lathe. Ship. wt. 265 lbs.
84 WC 2129 F—$27.00 Down, $17 Month....Cash **$270.00**

Plain Change Gears, Automatic Apron Lathe. Wt. 275 lbs.
84 WC 2125 F—$35 Down, $16 Month....or Cash **$348.00**

Quick Change Gears, Plain Apron Lathe. Wt. 275 lbs.
84 WC 2126 F—$35.50 Down, $16.50 Month. Cash **$355.00**

Quick Change Gears, Automatic Apron Lathe. Wt. 285 lbs.
84 WC 2127 F—$43.50 Down, $20 Month..or Cash **$432.50**

28 In. Between Centers Lathes

Overall dimensions: 50x28x15½ in. Length of bed 44 in.

Plain Change Gears, Plain Apron Lathe. Ship. wt. 290 lbs.
84 WC 2241F—$31.00 Down, $14.50 Month...Cash **$307.50**

Plain Change Gears, Automatic Apron Lathe. Wt. 300 lbs.
84 WC 2242 F—$38.50 Down, $17.50 Month...Cash **$385.00**

Quick Change Gears, Plain Apron Lathe. Ship. wt. 300 lbs.
84 WC 2243 F—$39.50 Down, $18.00 Month...Cash **$392.50**

Quick Change Gears, Automatic Apron Lathe. Wt. 310 lbs.
84 WC 2244 F—$47.00 Down, $21.50 Month...Cash **$469.50**

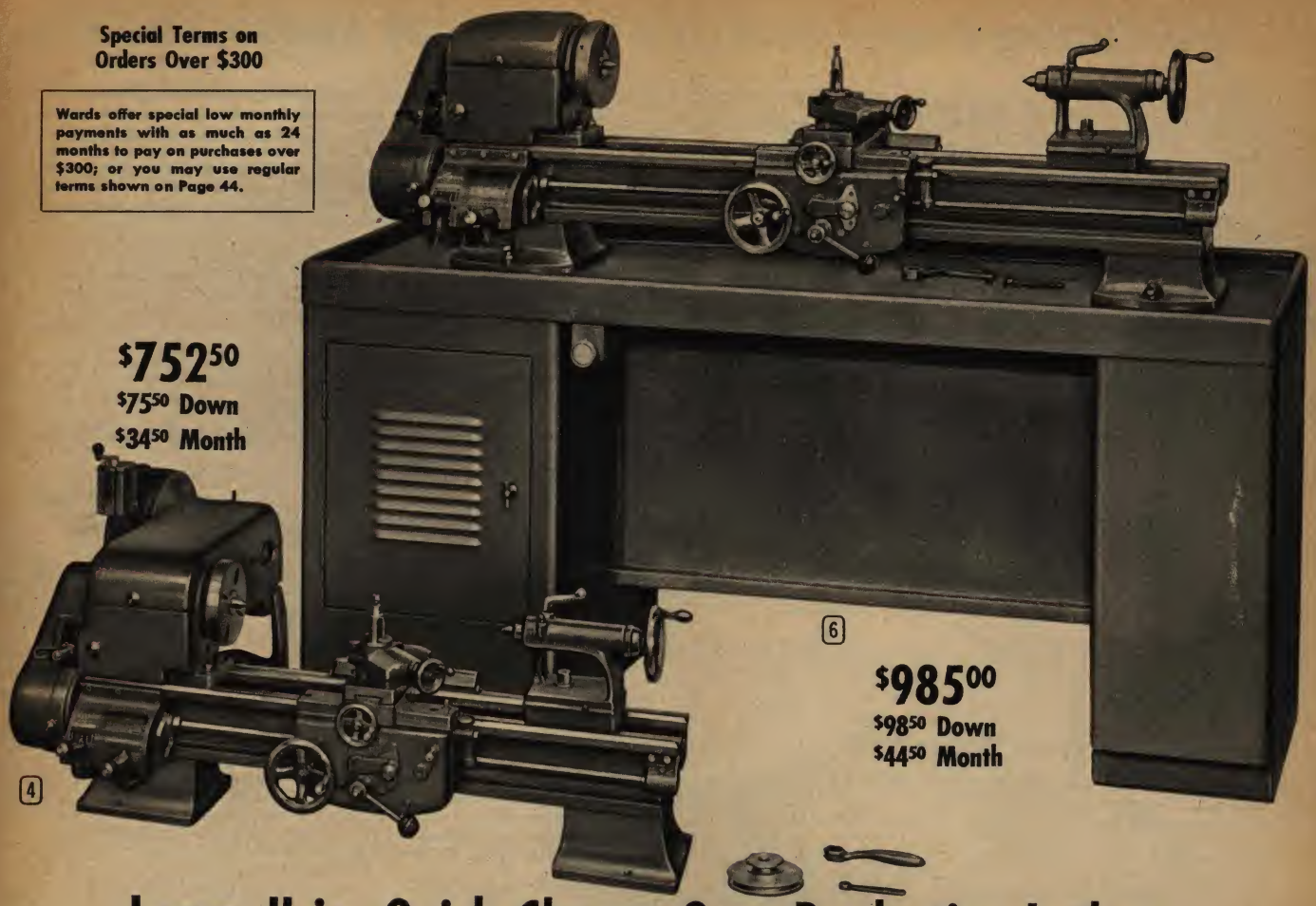
83 WC 4567 MB—**⅓-HP Capacitor Motor for Above.** See Page 12 for description. Ship. wt. 24 lbs. $2.50 Down. Cash **21.50**

2 **Drum Reversing Switch.** Reverses spindle direction by reversing motor. Capacity up to 1 HP, 550-v., AC. With switch box, cord. UL Appr. Ship. wt. 3 lbs. 8 oz.
84 WC 2216 K—Mailed from Factory in Chicago, Ill. **$11.50**

3 **Threading Dial.** Indicates point to engage half-nut lever when cutting threads, so tool will enter same groove for each cut. Ship. wt. 1 lb. 8 oz.
84 WC 2215 K—Mailed from Factory in Chicago, Ill...**$5.25**

Special Terms on Orders Over $300

Wards offer special low monthly payments with as much as 24 months to pay on purchases over $300; or you may use regular terms shown on Page 44.



$752.50
$75.50 Down
$34.50 Month

4

6

$985.00
$98.50 Down
$44.50 Month

Logan 11-in. Quick Change Gear Production Lathes

24 AND 36 IN. BETWEEN CENTERS—GUARANTEED ACCURATE TO WITHIN .001 INCH

- **Endorsed by leading shop men in all parts of the world for accuracy, power, rugged strength and efficiency**
- **Automatic oil type apron, carriage with automatic power cross and longitudinal feeds; 48 thread selections**
- **Sealed, pre-loaded ball bearing headstock and spindle mounting, self-oiling bronze bearings elsewhere**

For industry, metal and school shops, etc. Spindle mounting requires no adjustment—16 speeds on floor and bench models from 50 to 1430 RPM. Automatic oil-type apron operates from spline in lead screw through worm drive and friction clutch; half-nut drive from lead screw thread for thread cutting. Precision ground "V" and flat way bed. Quick change gears are engaged and disengaged easily.

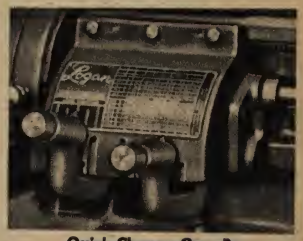
CAPACITY. Swing over bed 11 in.; over slide, 6⅛ in. Bed 6 15/16 in. wide. Bull gear and back gears ¾ in. wide. Gears for 48 thread selections from 4 to 224 per in.—right, left.

HEADSTOCK. Spindle nose diam. 2¼ in.—8 right-hand threads per in. Spindle adapter for reducing spindle nose taper to No. 2 Morse taper. Hole through spindle 1⅜ in. Max. collet cap. 1 in. with No. 84WC2194K collets on Page 30.

TAILSTOCK, CARRIAGE AND COMPOUND REST. Tailstock spindle travels 4 in.; graduated in 16ths, No. 2 Morse taper. 11/16 in. set-over for taper turning. Cross slide travels 6¼ in., compound rest travels 2¼ in., swivels 90° either way—both graduated in 1000ths. Tool post opening ⅜x¾ in.

COUNTERSHAFT is mounted on sealed ball bearings.

ACCESSORIES INCLUDE: 6-in. face plate; two 60° centers; threading dial and chart; drum reversing switch; spindle nose adapter to No. 2 Morse taper; tool post holder; 2 wrenches; "V" belts and 2-step motor pulley (state ½, ⅝ or ¾-in. bore); parts list and instructions. Motor not included. Order ¾-HP single-phase motor 83WC4581MO on Page 12. See 3-phase motor below. Lathes shipped promptly from Chicago Factory; pay Freight from there.



Quick Change Gear Box



Automatic Oil-Type Apron



Enclosed Countershaft

Bench, Floor Models $752.50 to $860.00

4 **BENCH MODELS.** Precision engineered features described above. Maximum collet capacity 1 in. with No. 84 WC 2194K listed on Page 30. Height 21 in. Without motor, chip pan or legs.

24 In. Between Centers Lathe. 43⅛-in. bed. Length 54 in.
84 WC 2222 F—Ship. wt. 505 lbs. $75.50 Down.....Cash **$752.50**

36 In. Between Centers Lathe. 55⅛-in. bed. Length 66 in.
84 WC 2220 F—Ship. wt. 550 lbs. $80.00 Down.....Cash **$797.50**



5 **$815.00**
$81.50 Dn.
$45.00 Mo.

5 **FLOOR MODELS.** Ht. 48½ in. With heavy-gauge steel chip pan and cast-iron legs.

24 In. Between Centers Lathe. 43⅛-in. bed. Wt. 615 lbs.
84 WC 2223 F..... Cash **$815.00**

36 In. Between Centers Lathe. 55⅛-in. bed. 66 in. long. Wt. 665 lbs. Only $86 Down on Terms.
84 WC 2221F....or Cash **$860.00**

Cabinet Models $985.00, $1040.00

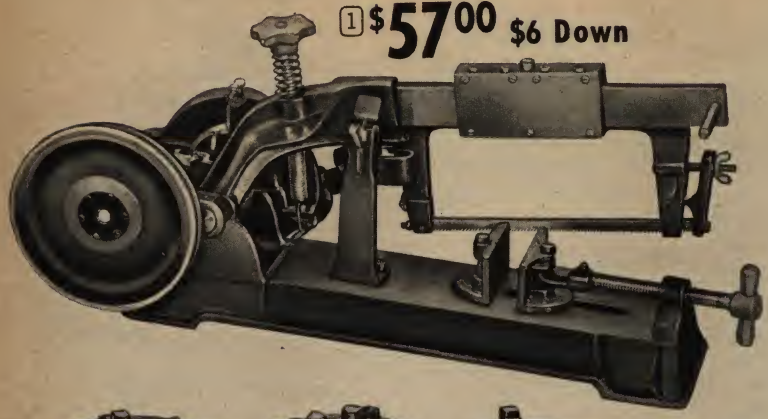
6 **Fully Enclosed Models.** Have all precision engineered features listed above plus streamlined steel pedestal base which encloses underneath drive. Trim, compact base with no protruding parts, saves valuable floor space, is only 21 in. wide. Gears, pulleys and belts completely enclosed for operator's safety. Switches and controls are conveniently located at operator's fingertips for instantaneous control. 16 spindle speeds 38 to 1230 RPM. Ball bearing drive assembly, enclosed in left compartment, transmits power to lathe spindle. Lever operated belt tension release for changing belt steps. Height overall, 48¾ in. Motor not included, see above. Credit Terms are on Page 44. Shipping weights: 810 and 870 lbs.

24 In. Between Centers Lathe. 43⅛-in. bed.
84WC2224F–59 in. long. $98.50 Dn. Cash **$985.00**

36 In. Between Centers Lathe. 55⅛-in. bed.
84WC2225F–70½ in. long. $104 Dn. Cash **$1040.00**

3-Phase Motor. ¾-HP Ball Bearing. 1725 RPM. 40° C. continuous duty. ⅝x1⅞ in. shaft. 83 WCP 4652 K–220/440-V, 60-cycle AC, 3-phase only. *Postpaid* from Chicago Fact. **$49.50**

Fast Cutting Power Hack Saw—90 to 100 Strokes Per Min.



(1) $57.00 $6 Down

- **Saves time and labor . . . cuts while you work on other jobs**
- **Automatic relieving mechanism controls pressure on forward stroke**
- **For materials up to 4 x 4 in.—vise swivels for 0 to 45° angles**

(1) **Powr-Kraft Belt-Driven Model.** Built for production work—ideal for plumbers, electricians, garages, small metal shops. Does job far more accurately, more efficiently than hand work; also runs unattended. Cam is integral with machine-cut gear—insures pressure relief on back stroke, thus increasing blade life and efficiency. Bronze bearings; castings of close-grained gray iron. Cast-iron vise—jaws 4 in. wide, 2 in. deep—open to 4 in. Length of stroke 4½ in. Size 8¼ in. wide, 29 in. long, 13 in. high. Includes: 12x⅝-in. blade, 8-in. diam. "V" machine pulley. Ship. wt. 80 lbs. *Not Mailable.*

84 WC 2403 R—Only $6 Down, $6 Month.....Cash **$57.00**

Hack Saw with ⅓-HP Motor. (See 83 WC 4503MB, Pg. 13.) With 2½-inch diam. motor pulley and ½x44-in. "V" belt. Ship. wt. 99 lbs.

84 WC 2401R—Only $7 Down, $7 Month.....Cash **$69.95**

Hack Saw Blades. For (1) above. 12 x ⅝ in. long, 14 teeth per inch.

84 WC 4486—Ship. wt. pair, 5 oz.....Pair **$1.35**



Famous Logan Chucks $32.25 to $89.00

(2) (3) **Logan 4-Jaw Independent Chucks.** Precision made of finest materials. 6-in. diam. reversible jaws have independent screw adjustments, hold work of any shape from inside or outside. 1-pc. semi-steel body, ground outer edge and face. Heat-treated alloy steel jaws. Acme threaded. With wrench.

(2) FOR LATHES WITH 2¼-IN. 8-THREAD SPINDLE.

84 WC 2228 KB—Wt. 20 lbs. $5.50 Dn....Cash **$52.50**

(3) FOR LATHES WITH 1½-IN. 8-THREAD SPINDLE.

84 WC 2143—Wt. 13 lbs. $3.50 Down. . .Cash **$32.25**

(4) **Logan 3-Jaw Universal Chucks.** 5-in. diam. Self-centering jaws, adjusted by turning 1 screw. Improved design gives less overhang, less vibration, greater cut-off capacity. Inside, outside jaws.

MEDIUM-DUTY MODEL. Ship. wt. 9 lbs. $5 Down.

84WC2142–Fits 1½-in. 8-thread spindle. Cash **$47.00**

HEAVY-DUTY MODELS. Ship. wts. 11, 20 lbs. 10% Down.

84WC2207–Fits 1½-in. 8-thread spindle.....**$53.75**

84WC2227 KB–Fits 2¼-in. 8-thread spindle....**89.00**

Nationally Known Jacobs Chucks and Accessories $9.20 to $26.50

(5) **Jacobs Headstock Chucks.** Thread directly to any 1½-in. 8-thread spindle. Hollow body allows chucking of long pieces through spindle.

84 WCP 2148 K–Capacity ⅛ to ⅝ in. *Ppd.*.**$19.00**

84 WCP 2149 K–Capacity 3/16 to ¾ in. *Ppd.*. **22.75**

(6) **Jacobs Geared Drill Chucks.** Strong, precision chucks that fit headstock or tailstock of Powr-Kraft and Logan metal lathes when used with arbors (11) at right. With chuck key.

84WCP2146T–Capacity 0 to ½ in. *Postpaid*.**$9.20**

84WCP2147T–Capacity 3/16 to ¾ in. *Pstpd.* . **13.85**

(7) **Jacobs Commutator Kit.** Precision built for extreme accuracy. Designed especially to hold armature shafts rigidly and accurately during reconditioning. Includes ¼ to ¾-in. capacity armature driving and center rest chucks which mount in headstock and tailstock with No. 2 Morse Taper arbors (included). Metal case, chuck key.

84 WCP 2151T–*Postpaid.* $3 Down, Cash **$26.50**

(8) **60° Anti-Friction Center.** For high speed. Live center turns with work for faster, heavier cuts. Mounted on grease-sealed New Departure ball, Timken roller bearings for smoother operation. No. 2 Morse Taper shank.

84 WC 2200 K—Ship. wt. 2 lbs.....**$27.50**

(9) **Jacobs Center Rest Chuck.** Accurate support for centerless work such as armature shafts. 3 adjustable specially treated bronze jaws in which shaft rotates. Use No. 2 Morse Taper arbor (11 below) to mount in lathe tailstock.

84 WCP 2150 K–¼ to ¾-in. capacity. *Ppd.*.**$13.50**

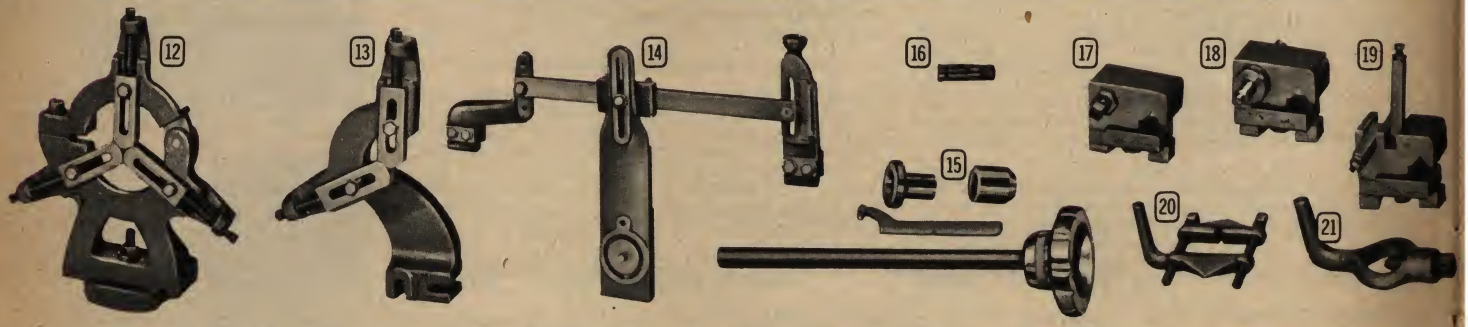
(10) **60° Center.** Precision ground tool steel. No. 2 Morse Taper shank.

84 WC 2201K—Ship. wt. 8 oz.....**$2.75**

(11) **Jacobs Chuck Arbors.** *Postpaid.*

84 WCP 2152T—Fits 84 WCP 2146T. . . .**$1.20**

84 WCP 2153T—Fits 84 WCP 2147T, 2150K. **1.20**



(12) **Center Rests.** Adjustable 3-in. capacity jaws. Cast-iron frame. Wts. 9, 10 lbs.

84 WC 2210 K—Fits 9 in. Logan Lathes.**$10.50**

84 WC 2198 K—Fits 11 in. Logan Lathes. **14.95**

(13) **Follower Rests.** Adjustable 3-in. capacity jaws. Cast-iron frame. Wts. ea. 4 lbs.

84WC2211K–Fits 9-in. Logan Lathes.....**$6.50**

84WC2164T–Fits 11-in. Logan Lathes.... **9.25**

(14) **Taper Attachments.** Taper to 4 inches per foot in either direction. Detachable for straight turning.

FOR 9-IN. LOGAN LATHES. Ship. wt. 16 lbs.

84 WC 2230 K—.....**$63.75**

FOR 11-IN. LOGAN LATHES. Ship. wt. 18 lbs.

84 WC 2190 KB.....**$73.50**

(15) **Draw-in-Collet Chucks.** Includes: closing sleeve, spindle cap, wrench.

FITS 9-IN. LOGAN LATHE. Use with 84 WC 2162K (16) below. Ship. wt. 4½ lbs.

84 WC 2214 K—1/16 to ½-in. capacity **$29.25**

FITS 11-IN. LOGAN LATHE. Ship. wt. 7 lbs.

84 WC 2192 K—1/16 to 1-in. capacity. **$48.50**

(16) **Draw-in Collets.** For Logan 9 in. lathes. Use with Collet Chuck (84 WC 2214K above). 15 sizes: 1/16 to ½ in. by 32nds of an inch. *State size wanted.*

84 WC 2162 K—Ship. wt. 6 oz. . .Each **$5.00**

Draw-in-Collets for 11-in. Logan Lathes. Use with Collet Chuck (15) above. Choice of 31 sizes: 1/16 to 1 in. by 32nds.

84WC2194 K–*State size.* Wt. 12 oz. Ea. **$5.95**

(17) **Carriage Stop.** Give position stop for lathe carriage. Clamps over front "V" way. Adjustment screw, lock nut.

84 WC 2197 K—For right or left. Ship. wt. 2 lbs.....**$6.50**

(18) **Micrometer Carriage Stop.** Accurately locates carriage position on lathe bed. Ship. wt. 3 lbs.

84 WC 2195 K—Micrometer graduated in .001 in....**$13.75**

(19) **Double Carriage Stop.** Adjustable screw at end of each finger sets carriage for 2 desired positions. Use on either side of carriage. Clamps to bed.

84 WC 2196 K—Ship. wt. 3 lbs.....**$10.95**

(20) **Clamp-Type Lathe Dog.** For square, hex, rectangular, round work. Mounts without removing work. 1¾ in.

84 WC 2182T—Drop-forged steel. Ship. wt. 1¼ lbs....**$4.39**

(21) **Standard Lathe Dogs.** Hold work firmly—transmit maximum power. Highest quality heavy drop-forged bar steel; square head set screw. *State size.* Wt. ea. 10 oz.

84 WC 2183T—½ inch.....**$1.08** ¾ inch.....**$1.28**
1 inch..... **1.59** 1½ inch..... **1.77**

See Page 44 for Convenient Credit Terms.

Cat. No's. ending in "K" or "KB" shipped promptly from Chicago Fact.; items ending in "T" from Chicago Stock; order, pay postage from usual Ward Mail Order House.

Fashion Your Own Gems—Right in Your Own Home

- **Complete new kit with all accessories you need for cutting, grinding and polishing semi-precious stones**
- **12-in. diam. spun aluminum rustproof tub; 7-in. diam. diamond tooth saw blade for professional-type results**



22 **New Gem Making Outfit.** It's easy and fascinating to form beautifully polished semi-precious stones for earrings, cuff links, pendants, bracelets, etc. Outfit has all you need to saw, grind, sand, polish and buff stones of all kinds. Collect semi-precious stones (in quarries, beaches, river beds, etc.) or buy uncut stones from lapidary supply house. Instructions included.

Forced lubrication to shaft bearing. Wheels run in horizontal position. Kit includes: assortment of semi-precious stones; 7-in. diamond saw blade; rock clamp; 7-in. cast-iron lap wheel; 6-in. silicon carbide 120 grit grinding wheel; 6-in. convex sanding lap; 6-in. felt polishing lap; 4 oz. each fine and med. silicon carbide grit; 2 oz. polishing compound; 6 dop sticks; dop cement; snap-on lubricant tank; water feed hose and clamp; ¼-HP 1750 RPM split-phase motor; ⅜x49-in. "V" belt; 2½-in. motor pulley. Shipped promptly from Chicago Stock; order, pay postage from usual Mail Order House. Ship. wt. 37 lbs.

84 WC 2751YBT—Complete Kit. Only $6.50 Down..Cash **$63.95**

Kit Less Motor Belt, and Pulley. Ship. wt. 19 lbs.

84 WC 2750 MT—Only $5 Down, $5 Per Month.....Cash **$49.50**

New! Pottery Maker with Variable Speed Drive

- **For shaping circular and cylindrical pottery pieces . . adjustable easy-action foot pedal control**
- **Simple positive acting variable speed drive provides smooth speed range from 38 to 130 RPM (view (A))**



23 **Extremely simple to operate**—ideal for ceramic hobbyists and students. Forms bowls, vases, ash trays, etc. Designed for extra range, long life and all 'round versatility. 9-in. cast aluminum throwing head is reversible—one side etched with concentric circles for ease in centering objects. Reverse specially recessed for molding plaster bats. Built-in water container—no reaching, no spilling. Removable drain plug for easy cleaning. Cast-aluminum base. Babbitt and bronze bearings. ¼-HP motor, V-belt, motor pulley. Order liquid glaze (see Pottery Supply Kit) and clay separately below. Wts. 41 lbs., 24 lbs.

84WC2756 YBT—**Pottery Maker with motor.** $7 Dn., Cash **$69.95**

84WC2755 MBT—**Pottery Maker less motor.** $6 Dn., Cash **57.50**

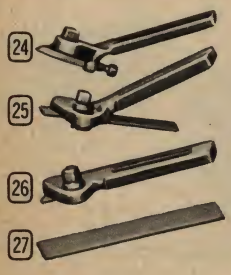
Pottery Supply Kit. Contains 7 assorted colors of liquid glaze in 1-oz. jars; glaze hardener; 2½-oz. of reducer and 3 oz. jar of undercoat; 3-lb. package of pottery clay.

84 WC 2757T—Ship. wt. 7 lbs.....**$6.50**

Pottery Clay. No kiln firing is necessary—bake in your kitchen oven to durable hardness at temperatures up to 250°.

84 WC 2758T—12½-lb. package. Ship. wt. 13 lbs.....**$4.25**

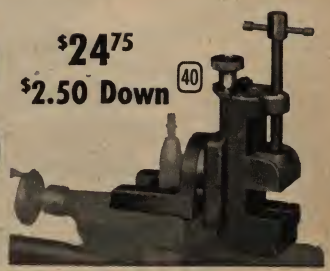
Note: Pottery Maker and accessories shipped promptly from Chicago Stock; order, pay postage from usual Mail Order House.











Accessories to Add Versatility to Your Metal Lathe

24 **Threading Tool Holder.** Drop-forged steel. Cuts 60° "V" threads. Forged 60° cutter with wrench. Wt. 8 oz.

84 WC 2171T—⅜x¾-in. shank...**$5.22**

25 26 **Cut-Off Tool Holders.** Drop-forged heat treated, hardened. ⅜x¾-in. shank. Ship. wt. 9 oz. each.

(25) 84WC2173T–Right-hd. Holder **$3.09**

(26) 84WC2172T–Straight Holder. **3.09**

27 **Extra Blade.** Fits (25) and (26).

84 WC 2174T—Ship. wt. 1 oz..**$1.28**

28 **Knurling Tool Holder.** Tempered tool steel. Medium diamond knurl.

84 WC 2175T—Ship. wt. 10 oz....**$6.20**

Diamond Formed Knurls. Wt. pair 2 oz.

84 WC 2176T–Fine Knurl....Pair **$2.11**

84 WC 2177T–Medium Knurl.Pair **2.11**

84 WC 2178T–Coarse Knurl.Pair **2.11**

29 to 31 **Drop-Forged Steel Cutter Holders.** For ¼-in. sq. cutter bits. ⅜x¾-in. shank. Average wt. 9 oz.

(29) 84 WC 2170T—Straight.....**$2.61**

(30) 84 WC 2169T—Left-hand.... **2.61**

(31) 84 WC 2168T—Right-hand... **2.61**

32 **Blank Cutter Bits.** High speed steel. For holders above. ¼x¼x2 in.

84WC2203T–Wt. 1 lb..Pkg. of 6 for **$1.45**

33 **Formed Cutter Bit Sets.** High speed tool steel. Round nose, right-left turning, right-left facing and threading bit. ¼x¼ in. Ship. wt. 1 lb.

84WC2204T–High-Speed Steel.6 for**$2.05**

84WC2205T–Carbide-Tipped..6 for **8.53**

34 **60° Center Drill, Countersink.** Carbon tool steel, hardened and ground. Ship. wt. 3 oz. *State size.*

84 WC 2181T—1/16 in. **50c**; 3/32 in. **65c**

35 **Boring Bars.** High speed steel tip, carbon steel shank. Fit (36).

84 WC 2180T—*State size.* ⅛x4 in..**72c**

3/16x4½ in...**94c**.....¼x5 in. **$1.21**

5/16x6 in...**$1.39**.....⅜x7 in. **1.89**

36 **Boring Tool Holder.** Reversible yoke. ¼-in. bar, bit, wrench.

84 WC 2179T—Wt. 1 lb. 4 oz....**$6.20**

37 38 **Face Plates.** Fit 1½-in. 8-thread spindle. Precision machined and balanced.

(37) 6-in. Diameter Face Plate.

84 WC 2154T—Wt. 3 lbs. 8 oz....**$5.25**

(38) 8-in. Diameter Face Plate.

84 WC 2155T—Wt. 6 lbs.....**$7.75**

39 **8-In. Diam. Face Plate.** Fits 2¼-in. 8-thread spindle. Ship. promptly from Chicago Factory.

84 WC 2199 K—Wt. 6 lbs.....**$9.50**

Milling Attachment

40 **Famous Palmgren Quality.** Converts Powr-Kraft 10-in. and Logan 10 and 11-in. lathes into small milling machine for face milling cutting keyways and slots, milling dovetails, squaring shafts, making dies, etc. Accurate graduations for rotary angle adjustments, graduated vertical feed screw. Jaws 27/16 in. wide, 1½ in. deep, open to 2½ in. Wt. 13 lbs. Ship. promptly from Chgo. Fact.

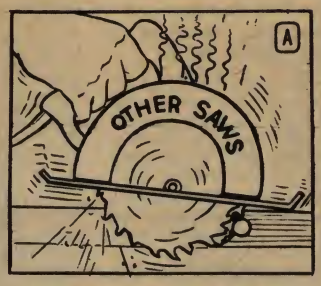
84 WC 2245 K....Cash **$24.75**

Metal lathe access. on this page with "T" ship. from Chicago Stock; order, pay postage from your Mail Order House.

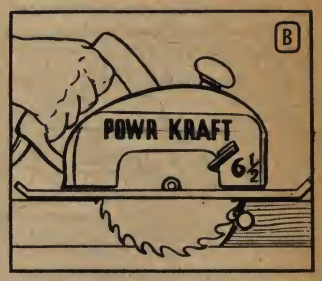
POWR-KRAFT 6½-in. is Your Best Buy



1 **$46.95**
$5 Down



(A) On conventional saws when blade is overloaded or stopped suddenly—motor often burns out.



(B) *POWR-KRAFT* safety clutch protects motor—blade stops—motor continues to run with no damage.

- **Precision ball and needle bearing construction**
- **Exclusive "safety clutch" protects you and the saw**
- **Compare with saws selling for $20 more**

1 ***POWR-KRAFT*** **6½-In. Saw.** Wards finest heavy-duty model. The RIGHT saw for the professional builders or home craftsmen. Rugged and powerful for the fastest, smoothest cut you've ever seen. Big 6½-in. blade gives you the capacity of most 7-in. saws—easily cuts 2-in. rough lumber, even at 45° angle. Precision ball and needle bearings throughout—assures you of long, trouble-free operation. Fully guaranteed for one year—your assurance of highest quality materials and finest workmanship. Only Powr-Kraft offers you all these features at real money saving prices.

Performance: Handles all standard building requirements. Cuts to 2¼ in. at 90°, up to 1⅞ in. at 45°. Full 1-HP motor provides all the power needed for the toughest cutting jobs. Bevel index for accurate cutoff; precision-cut spur gears—forced air cooling. Blower keeps cutting line clear, free of sawdust. Perfect tool for professional or hobbyist alike.

Safety: Exclusive "safety clutch" protects both you and the saw. Allows blade to stall if saw is overloaded—motor continues to run at full speed, eliminating motor burn outs. Prevents dangerous kickbacks which occur in ordinary saws when sudden stopping of blade throws saw out of cut. Automatic telescoping blade guard. UL Approved to rigid Industrial Standards. Easy-to-grip handle with instant release trigger switch.

Versatility: Lightweight, weighs only 11 lbs.—makes it a truly portable saw for home construction work. Quickly converts to bench saw or rugged chain saw by using the attachments listed below. Includes adjustable rip fence, blade, cord, plug. Order carrying case opposite page.

84 WC 8941M—*Mail.* Ship wt. 14 lbs. $5 Down, $5 Month....Cash **$46.95**

Guarantee. Wards guarantee every article as described, and guarantee that it will give you the service you have a right to expect. If you are not completely satisfied with any article purchased from us, return it at our expense. We will exchange it for what you want, or refund what you paid.



2 **$28.95**
$3 Down

POWR-KRAFT Chain Saw Attachment

- **Double the use of saw with this sensational new attachment**
- **Trims trees, cuts logs in a hurry—bores through walls and ceilings**
- **Heavy-duty construction throughout for rough, steady use**

2 Attach this unit to your Powr-Kraft 6½-in. saw and you have a chain saw that will "size for size" compare with any regular chain saw. Easy-to-handle for felling trees in woodlots; cutting cordwood, fence posts; for building construction, industrial or maintenance jobs. Cuts through walls, floors, ceilings, etc. 9-in. case hardened cutter bar with special armored nose. Standard chipper type chain cuts the toughest wood with ease. Easy to convert from portable saw to chain saw. Takes only a few minutes to remove attachment from 6½-in. saw and to replace circular saw blade. Heavy-duty construction throughout for steady production use. Saves hours of tedious hand sawing . . . will double the use of your electric saw. Unequaled performance—you will be amazed at the way it handles the toughest jobs. You'll agree it's one of the handiest worksavers of them all. Comes complete, ready to install. Fits only Wards Powr-Kraft saws—model numbers 8937, 8938 and 8941. All parts are fully guaranteed against defects for one year. Ship. wt. 7 lbs. $3 Down Payment.

84 WC 8970 M—$5 per Month..... or Cash **$28.95**

Replacement chain for above saw attachment.

84 WC 8971—Ship. wt. 2 lbs.....**$11.95**



Steel Tables For Saws

3 4 Convert your portable saws (1) above and (5) on opposite page into tilting arbor table saws. Large 16x21¼-inch table surface. With miter gauge for angle cuts and adjustable ripping fence. Table stays level—blade tilts to any angle from 45° to 90°. Saws bolt easily to table—provides full depth of cut adjustment. With trigger locking device for constant-running operation. Table has built in receptacle and switch. Choice of Floor or Bench Models. Gray finish, green legs.

(3) **Floor Model Saw Table.** No extra bench or table needed. 36 in. high. Ship. wt. 22 lbs.

84 WC 8948 M—*Mailable*.....**$14.95**

(4) **Bench Model Saw Table.** May be bolted to work table. 11 in. high. Ship. wt. 12 lbs.

84 WC 8947 M—*Mailable*.....**$11.95**

Get All The Tools You Need Now. Only 10% Down on purchases of $20 or more—pay as little as $5 a Month. See Page 44.

New 6-In. Saw Cuts 2x4's, Even at 45°

5 ***POWR-KRAFT*** **Utility Saw.** Specially designed for the home craftsman or occasional user. It is a saw that will handle all of the requirements found around the home. Compare the size and capacity of this saw with any other saw on the market—then compare the price—Powr-Kraft's 6-in. is a saw that offers more at a price every home user can afford. Powerful, yet extremely lightweight—weighs only 11 lbs.

Look at this cutting capacity—0 to 2⅛ in. at 90°; 1¾ in. at 45°. Will cut 2x4 rafters even at 45°. ¾-HP motor operates on 110-volt AC-DC. UL Approved. Self-oiling bronze bearing construction throughout. No-load speed 4700 RPM; full-load 3200 RPM. Bevel adjustment, telescoping blade guard and trigger switch. With 10-ft. 3-wire cord, 6¼-in. combination blade. All this plus the famous Powr-Kraft one year guarantee against defects in material or workmanship. Order extra blades from listings below.

84 WC 8940 M—*Mailable*. Ship. wt. 12 lbs. $3.50 Down, $5 per Month.....Cash **$34.95**



6 **Handy Steel Carry Case.** Protect your saw—room for rip fence and extra blades. For Powr-Kraft 6½-in. saw (1) on opposite page. Ship. wt. 9 lbs. 8 oz.

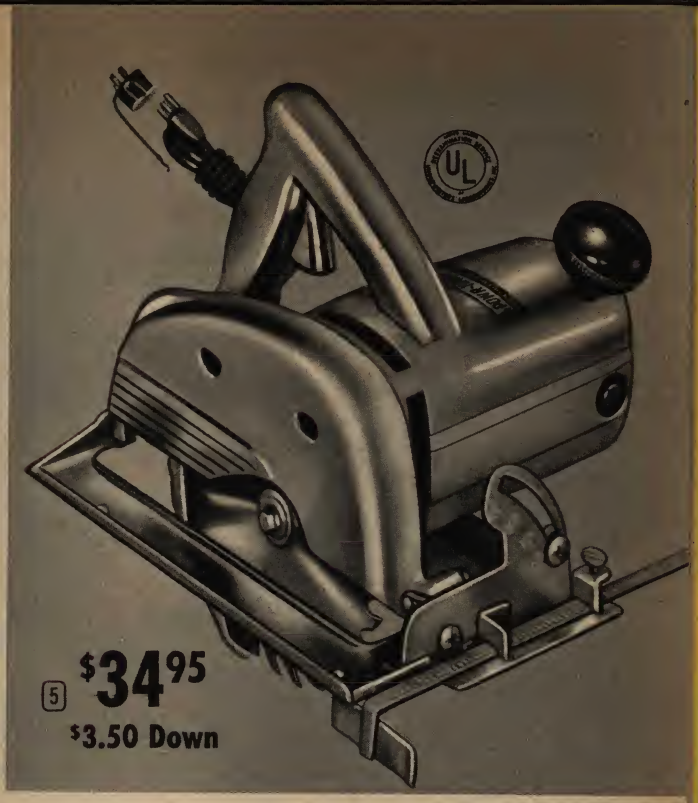
84 WC 8919 M—*Mailable*..... **$5.95**

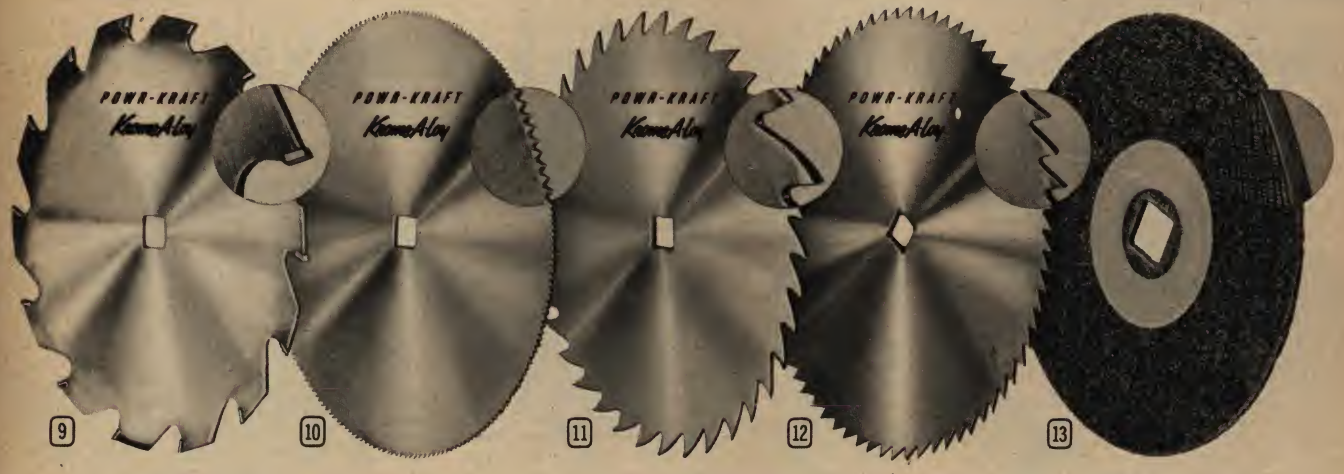
7 8 **Rubber Covered Extension Cords.** Use proper extension cords for efficient transmission of power to portable electric saws, drills, motors, etc. 3-wire cords are best for electrical tools. Long-wearing rubber insulation stands up under rough use indoors and outdoors. 3-wire cords and plugs fit all standard 2-pronged adapters. UL Approved.

(7) 15-Ft. 16-Gauge 3-wire cord with plug outlet.
83 WC 1279 L—Ship. wt. 1 lb. 8 oz.....**$3.75**

25-Ft. 14-Gauge 3-wire cord with plug outlet.
83 WC 1270 L—Ship. wt. 5 lbs.....**$7.95**

(8) 25-Ft. 16-Gauge 2-wire cord with plug outlet.
83 WC 1271 L—Ship. wt. 2 lbs.....**$2.29**





New Krome-A-Loy Blades Last 3 to 5 Times Longer

Wards Krome-A-Loy blades are made to exacting standards for long-life service and complete customer satisfaction. Specifications of setting and filing are rigidly maintained. Cut true and clean without the wavy streaks, burning, or out-of-line cutting commonly found in saws of inferior grades. Designed to give more speed . . . safety . . . and economy. Wards have the RIGHT blade for every job.

9 TO 12 ***POWR-KRAFT*** **Krome-A-Loy Blades.** Finest chrome vanadium steel . . . retain cutting edge 3 to 5 times longer. Precision filed, set by hand. Won't bind. Individually tensioned—automatically set and sharpened for perfect uniformity. Can be used on all popular saws. *Specify round or square hole when ordering.*

(9) ***POWR-KRAFT*** **Carbide-Tipped Blades.** Save as much as 50% on sharpening expenses, compared to conventional saw blades. Only .008-in. clearance on sides of blade gives hollow-ground effect. Each tip is silver brazed for lasting bond—ground with diamond grinding wheels. Cuts formica, plastics, transite, etc. without binding or chipping. *Be sure to state blade diameter and shape of hole wanted.*

(10) ***POWR-KRAFT*** **Plywood Blades.** Finely set teeth for cutting plywood, wall-board, etc. No more ragged edges, splitting or chipping of materials. 6-in. blades have 180 teeth, 7-in. have 200, 8-in. have 250 teeth. *State blade diam., shape of hole.*

(11) ***POWR-KRAFT*** **Combination Saw Blades.** All around blade. Specially tensioned for narrow kerf cuts and even edges. Flat ground, heat-treated. Teeth are hand filed and set. *Be sure to state blade diameter and shape of hole wanted.*

(12) ***POWR-KRAFT*** **Nail-Cutting Saw Blades.** For cutting lumber having embedded nails and wire. Hard steel tempered by electric furnaces, tensioned to exacting specifications and hand filed and set. *State blade diameter and shape of hole wanted.*

13 **Carborundum "MX" Cut-Off Wheels.** Silicon carbide abrasive. 84 WC 5244 for quick cutting of non-metallics such as brick, tile, etc.; 84 WC 5243 for metallics such as steel, brass and cast iron. Wheels are 3/32 in. thick. Cotton fiber and abrasive grain with resin bond. *Be sure to state diameter wanted.*

Be sure to state diameter and specify round or square hole

Cat. No.	Diam.	Hole In.	Fit Saws	Ship. wt.	Each
9 84 WC 6993	6 in.	½ sq.	8950M, 8940M	1 lb.	$9.50
	6½ in.	½ rd.	8937M, 8938M, 8941M	1 lb.	9.95
	7 in.	½ sq.	8952M,	1 lb.	9.95
	8 in.	13/16 sq.	8954K, 8956MB, 8955M	1 lb.	10.95
10 84 WC 6991	6 in.	½ sq.	8950M,	12 oz.	1.79
	6¼ in.	½ sq.	8926M, 8927M, 8940M	12 oz.	1.79
	6½ in.	½ rd.	8937M, 8938M, 8941M	12 oz.	1.98
	7 in.	½ sq.	8953K	1 lb.	2.09
	7¼ in.	13/16 sq.	8954K, 8956MB, 8955M	1 lb.	2.09
	8½ in.	13/16 sq.		1 lb.	2.69
11 84 WC 6990	4¼ in.	½ rd.	8925M, 8935M	8 oz.	1.25
	6 in.	½ sq.	8950M,	1 lb.	1.79
	6¼ in.	½ sq.	8926M, 8927M, 8940M	1 lb.	1.79
	6½ in.	½ rd.	8937M, 8938M, 8941M	12 oz.	1.98
	7 in.	½ sq.	8952M	1½ lbs.	2.09
	7¼ in.	13/16 sq.	8953K	1½ lbs.	2.09
	8½ in.	13/16 sq.	8954K, 8956MB, 8955M	2 lbs.	2.69
	6½ in.	⅝ rd.	B & D U-63	12 oz.	1.98
	7¼ in.	⅝ rd.	B & D U-73	1½ lbs.	2.19
	8 in.	⅝ rd.	8997, B & D U-83	2 lbs.	2.69
12 84 WC 6992	6 in.	½ sq.	8905M,	8 oz.	2.29
	6¼ in.	½ sq.	8926M, 8927M, 8940M	8 oz.	2.29
	6½ in.	½ rd.	8937M, 8938M, 8941M	12 oz.	2.29
	7 in.	½ sq.	8952M	12 oz.	2.59
	7¼ in.	13/16 sq.	8953K	1 lb.	2.59
	8½ in.	13/16 sq.	8954K, 8956MB, 8955M	1 lb.	3.29
13 84 WCP 5244 or 84 WCP 5243	6 in.	½ rd.	8937M, 8938M, 8941M	*Ppd.*	2.15
	6 in.	½ sq.	8926M, 8927M, 8940M	*Ppd.*	2.15
	7 in.	½ sq.	8953K	*Ppd.*	2.85
	7 in.	13/16 sq.	8956MB, 8954K	*Ppd.*	2.85
	8 in.	13/16 sq.		*Ppd.*	3.65

For Maximum Blade Life . . . For More Speed, Safety and Economy . . . Cut With a Blade That's Built for The Job.

BONUS OFFER

Free *POWR-KRAFT* Krome-A-Loy Blade

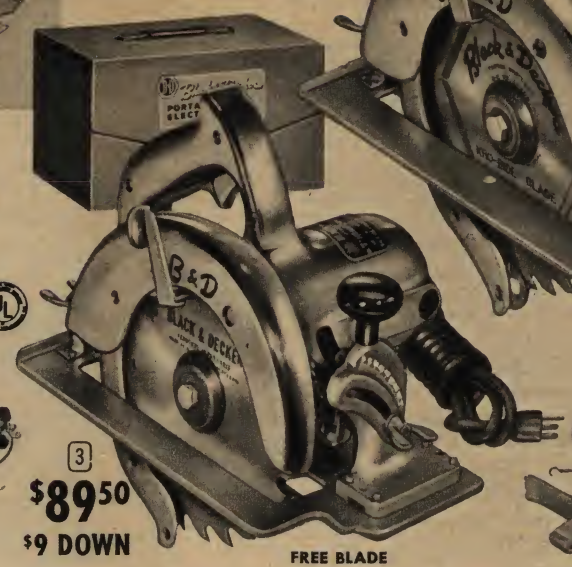
Buy Saw (1), (3) or (4) and receive an extra blade Free. Krome-A-Loy blades cut faster, stay sharp five times longer.





[1] $69.50
$7 DOWN

FREE BLADE



[2] Fits 6½-in. and 7¼-in. Models
Only $15.50



FREE BLADE

[4] $102.50
$10.50 DOWN

[3] $89.50
$9 DOWN

FREE BLADE



[5] Fits 3 Saws Shown
Only $2.95

Free—Extra Blade with Black & Decker Saws

6½-In. Utility Saw

- Cuts to 2 5/32 in. depth at 90°
- Cuts to 1⅞ in. depth at 95°
- UL approved (Industrial Standards)

[1] **Built to carpenter's exacting specifications** for a lightweight portable saw with full cutting range capacity. Extra versatility allows for depth of cut adjustment from 0 to 2 5/32 in., bevel adjustments from 90° to 45°. Blades are easily changed for cutting any material; see opposite page for extra blades.

Powerful 110-120 volt AC-DC, 60 cycle motor operates on smooth running grease sealed ball bearings—no need to oil for life of saw. No-load speed 5500 RPM. Forced air ventilating system keeps motor cool, frees cutting line of sawdust. Instant release double pole trigger switch for quick, easy control with either left or right hand.

Die-cast aluminum housing with highly polished mirror finish. Automatic blade guard with retracting lever telescopes into housing as blade contacts work. 3-wire cord, plug and adapter. Saw weighs only 11 lbs. Includes rip-crosscut blade with ⅝-in. round arbor hole plus extra, Free Powr-Kraft Krome-A-Loy blade. *Postpaid.*

84 WCP 8978 M—$7 Down.....Cash **$69.50**

7¼-In. Carpenter's Saw

- Combines greater capacity, light weight
- Cuts to 2 7/16 in. depth at 90°
- Cuts to 2 in. depth at 45°

[3] **Rugged construction,** tough helical cut alloy steel gears give years of reliable wear. Full sized grease sealed ball bearings for trouble-free operation. Top performance on all homebuilding, repair jobs, etc., calling for large capacity and handling ease. Carpenter's favorite, handles 2x4-in. work quickly at any angle 90° to 45°.

Tough die-cast aluminum alloy housing with highly polished mirror finish. Takes continuous production punishment, yet light enough to make sawing easy, weighs only 13¼ lbs. Blade guard allows full sight of blade from either side. Forced air ventilation keeps motor cool, sawing line dust-free. Instant release double pole trigger switch gives complete control over saw with only one hand.

Powerful 110–120 volt, 60 cycle, AC-DC motor. No-load speed 4700 RPM. Automatic telescoping blade guard gives full-time protection—telescopes into housing when saw is used. 3-wire cord, plug and adapter. Includes 7¼-in. rip-crosscut blade with ⅝-in. rd. arbor hole plus extra, *Free* Powr-Kraft blade.

84 WCP 8996 M—*Postpaid.* $9 Down..Cash **$89.50**

8-In. Contractor's Saw

- Heavy-duty model for all production uses
- Cuts to 2 13/16 in. depth at 90°
- Cuts to 2 5/32 in. depth at 45°

[4] **"Work-horse" of the trade**—built for continuous heavy-duty jobs under rugged conditions. Helical cut gears deliver smooth, dependable power. Maximum cutting depth easily handles 3-inch dressed lumber. Top running performance from grease sealed ball bearings.

Die-cast aluminum housing is lightweight, yet tough enough to withstand rough usage. Performs toughest jobs to most exacting specs. Automatic blade guard with retracting lever gives full-time blade protection; retracts when blade contacts work. Allows full view of blade from both sides of saw. Forced air cooling system keeps motor cool, sawing line free of sawdust. Instant release double pole trigger switch. Powerful unit weighs only 14¼ lbs.

Husky 110–120 volt, 60 cycle, AC-DC powerplant. No-load speed 4500 RPM. Proven construction "know-how" by firm that outsells all other tool manufacturers. Includes 8-in. rip-crosscut blade with ⅝-in. rd. arbor plus *Free* blade.

84WCP8997M–*Postpaid.* $10.50 Dn.Cash **$102.50**

[2] **Black & Decker Steel Saw Cases.** Carry rip-fence, cord, extra blades.
84 WCP 8999 M—Fits 6½-in. and 7¼-in. models. *Postpaid*.....**$15.50**
84 WCP 8998 M—Fits 8 and 9¼-in. models only. *Postpaid*..... **17.50**

[5] **Black & Decker Rip Fence.** Guides saw for accurate rip cuts on long material. Calibrated for use on either right or left side of saw.
84 WCP 8991—Fits saws (1), (3), (4) above. *Mailed Postpaid*.....**$2.95**



[6] $119.50
$12 DOWN

Heavy-Duty Saw for All Production Uses

- Top-capacity "Powerhouse" of the Black & Decker line
- Cuts to 3¼-in. depth at 90°; to 2⅜-in. at 45°
- Complete with metal carrying case and rip fence

[6] **9¼-In. Heavy-Duty Saw.** Designed, powered and ruggedly constructed for easy and dependable operation on the heaviest cutting jobs. Maximum cutting depth, 3¼ in.; quickly adjustable down to ¼ in. depth and to any angle from 90° to 45°. Cutting depth range for front adjustment 3¼ to 2⅛ in.; rear adjustment 3¼ in. to 1½ in.; both adjustments 3¼ to ¼ in. Depth of cut at 45° is 2⅜ in.

Full-power motor drives blade through toughest material at top speed. 115 volt, AC, DC. No-load speed 3700 RPM. Comfortable balance for steady one-hand operation. Large side knob for two-hand operation, if desired. 2-pole "instant release" switch.

Die-cast housing withstands abuse of continuous heavy-duty sawing in the mill or on any job. Telescoping guard and lever; 3 conductor cable with grounding wire; rip-crosscut blade with 1⅜ in. round arbor hole included. Size overall: 11⅝-in. height; 9½-in. width; 14½-in. length. UL approved. Metal case and rip fence included.

84 WCP 8959 M—*Mailed Postpaid.* $12 Down, $10 Month.....Cash **$119.50**

More Features Than Any Other Saw



Self-Starting Cuts



Pattern Cuts



Box Cutting

POWR-KRAFT Heavy-Duty Jig Saw

- **Fast-cutting—3500 long ⅝ in. strokes per minute**
- **Two position shoe permits cuts to sheer walls**
- **Sealed ball bearings in motor—UL approved**

7 ***POWR-KRAFT*—Finest, fastest-cutting, heavy-duty Sabre Saw** we've ever seen at a real money-saving price. Compare to saws selling for $10 more. Powerful reciprocating type hand saw—Powr-Kraft through and through—and covered by famous Powr-Kraft 1-year Guarantee. One of the most versatile saws ever made. Cuts wood, plastic, metals—circles, scrolls, openings, rips large sheets, even 2x4 lumber! Perfect saw for pattern work, plumbers, electricians, etc.

Motor operates on 110-volt, AC-DC. Longer blade stroke gives 25% greater blade life. Comfortable, cool handle, sawdust blower. Rip and circular guide, 3 blades included. Available after Sept. 15.

84 WC 8933—Ship. wt. 6 lbs. $5 Down, $5 Month. . . . . .Cash **$49.95**

84 WC 8944—Metal cutting blades. Ship. wt. 3 oz. . . . .Pkg. of 4. . **2.98**

84 WC 8945—Coarse high speed wood blades. Wt. 3 oz. Pkg. of 2. . **2.98**

84 WC 8946—Fine wood cutting blades. Ship. wt. 3 oz. Pkg. of 4. . **2.98**



7 **$49.95**
$5 DOWN

PRECISION ENGINEERED



8 **$54.50**
$5.50 DOWN
$6 MONTH



9 **$115.00**
$11.50 DOWN
$10 MONTH



10 **$24.95**
$2.50 DOWN
$5.00 MONTH

Nationally-Known Black & Decker Jig Saws

- **Dependable . . . UL approved**
- **3750 ½-in. strokes per min.**
- **Gets into inaccessible places**

8 **Light-Duty Jig Saw.** Compact, versatile unit weighs only 3½ lbs. Does work of jig saw, sabre saw, keyhole saw. Use for curved, straight, irregular and pattern cutting. Easily cuts wood, metal, plastics, hard rubber, compositions, etc. Needs no starting hole for pocket cuts. Just flip toggle switch to "on", place front of shoe on work and gradually tip saw into work. Order extra blades below.

Smooth running, self-oiling bearings. Only 7 11/16x8 in. overall (including blade). 3750 ½-in. strokes per min. (no-load speed). 1½ in. soft wood or 1 in. hard wood capacity. Fan keeps motor cool. With cord, plug, 5 blades. *Postpaid.*

84 WCP 8979—$5.50 Dn. . . . .Cash **$54.50**

Jig Saw Blades For Saws (8) and (9). *Postpd.*

84WCP8993–Wood. Coarse..Pkg. 6, **$2.40**

84WCP8994–Wood. Medium.Pkg. 6, **2.40**

84WCP8995–Metal cutting. .Pkg. 3, **1.65**

- **Tremendous capacity . . power . . versatility**
- **Fast cutting—3300 strokes per minute.**
- **Dynamically balanced to eliminate vibration**

9 **Heavy-Duty Jig Saw.** Engineered for smooth, continuous production operations. Cuts wood, plywood, metal sheets, rods, tubes, plastics, fiber glass, Masonite, leather. Combines services of sabre saw, rip saw, crosscut saw, coping saw, hand saw and keyhole saw.

Powerful motor with ball-bearing armature, heat-treated spiral bevel gears and balanced, reciprocating action. Motor and gear train will drive blade through two-by-fours. Provides a fistful of cutting power that will amaze you. For 115 volt, AC-DC. Adjustable from 90° to 45° bevel cuts to either side of saw. 2 in. soft wood or 1 in. hard wood capacity.

Compact motor housing allows saw to fit snugly in hand. Large auxiliary knob. Efficient fan draws air through housing at high velocity . . prevents overheating. Toggle switch at bottom for ease of operation and added safety. Size overall: 9¼-in. length; 7½-in. height (without blade). UL approved. 3-wire cord with plug. With 4 blades.

84 WCP 8980–*Postpaid.* $11.50 Down.Cash **$115.00**

POWR-KRAFT Utility Jig Saw

- **Advanced engineering design. UL approved**
- **Fast cutting—2650 ⅝-in. strokes per minute**
- **Versatile—use as portable or table saw**

10 Economically priced Jig Saw that actually out-performs many higher priced saws being offered today. Large 2-in. cutting capacity. Cuts holes, patterns, straight or curved lines. Does work of crosscut, ripcut, keyhole, scroll, coping, etc. With (11) operates as Sabre Saw. 110–120 v., AC–DC.

84WC8920–Ship. wt. 5 lbs. $2.50 Dn. . . . . .Cash **$24.95**

Extra Blades for (10). 3 steel blades. Ship. wt. 2 oz.

84 WC 8921— 7 tooth, woodcutting. . . . . .Pkg. 3, **$1.00**

84 WC 8923—10 tooth, woodcutting. . . . . .Pkg. 3, **1.00**

84 WC 8924—18 tooth. metalcutting. . . . . .Pkg. 3, **1.80**

11 ***POWR-KRAFT* table** converts Jig Saw (10) into sabre saw that will rip 2x4-in. stock fast. Includes 5 blades, instructions. Ship. wt. 12 lbs.

84 WC8928.**$10.95**



11 **10.95**



POWR-KRAFT Sander

HAS FEATURES OF SANDERS SELLING FOR OVER $50

- **Heavy-duty ball bearing construction throughout**
- **New handle design for comfort, balance and control**
- **New, easy paper changing device . . . saves time, effort**

1 **Heavy-Duty Orbital Sander.** Use this Powr-Kraft sander for the fastest, smoothest finish you've ever seen. One of the most versatile tools for any workshop. All new—perfect for fine finishing jobs and for getting into close quarters. Rugged and powerful for fast cutting—soft and gentle for satin-smooth finishes. Just the tool for carpenters, cabinet makers, painters, hobbyists and many others who work with wood, metal or plastics. You'll agree it's one of the handiest worksavers of them all.

Perfectly balanced—designed for flush sanding. New positive slide switch always at your fingertips. Delivers 4500 strokes per minute. Sealed ball bearing motor, 110–120-volt, 60 cycle, AC-DC. New out-of-way cord keeps working area clear. Front handle removable for close work. One-spot lubrication for easy maintenance. Cool, efficient ventilation. Easy paper changing saves time and effort. Fully guaranteed against defects in workmanship and material for one year. Size overall: 11⅜x6¾ in. Polished aluminum finish. Order Sandpaper separately below.

84 WC 8555—Ship. wt. 8 lbs. $4.50 Down, $5.00 Month.....or Cash **$44.95**

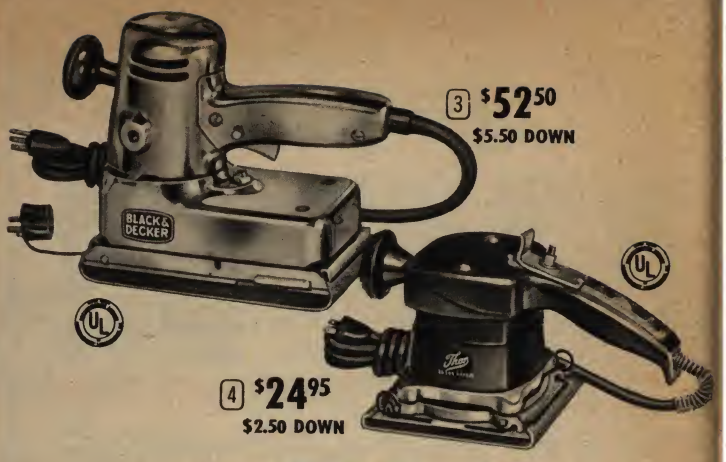
2 **Orbital Sander Kit.** Includes Powr-Kraft sander (1) described above, 6 assorted sanding sheets (2 fine, 2 medium, 2 coarse), and handy metal case —protects your sander and makes it easy to carry from job to job.

84 WC 8556—Ship. wt. 13 lbs. 8 oz. $5.50 Down, $5 Month.....Cash **$52.50**

Extra Sanding Sheets for sander listed above. *State:* Fine, Med., Coarse.

84 WC 8509—Size 3⅔x9 in. Ship. wt. 8 oz.....Pkg. of 12 for **55c**

Why Not Buy the Best? Only 10% Down Payment on Purchases of $20 or More.



Fast-Action Orbital Sanders

3 **Nationally-Known Black & Decker Sander.** Large 30-sq. in. sanding area. Delivers 4250 strokes per minute. Sanding shoe moves smoothly in orbital motion on grease-sealed ball bearings. Plate extends beyond body for close quarter work. Locking mechanism holds abrasive sheets firmly, yet affords quick change of abrasives. Lock-on trigger switch. Auxiliary knob handle can be used at front or on side for sanding overhead woodwork, moldings, cornices, etc. Heavy-duty ball bearing motor, AC-DC 110–120 volt. With 6 sanding sheets, cord, plug. UL Approved (Industrial Standards).

84 WCP 8508—*Mailed Postpaid.* $5.50 Down, $5 per Month....Cash **$52.50**

84 WC 8509—Sanding Sheets. *State:* Fine, Med., Coarse. Wt. 8 oz. 12 for **55c**

4 **Thor Speed-Sander.** Duplicates performance of nationally advertised Speedway sander selling at $34.50—you save $9.55. Has 24-sq. in. sanding area. For fine sanding on flat surfaces. Direct-connected motor operates at 3450 RPM. All ball bearing construction. Lightweight aluminum body with blue hammerloid finish. Easy handling—perfect auto feather-edger. UL Approved. Push-button switch. 110–120 v. AC-DC.

84 WCP 8524—*Mailed Postpaid.* $2.50 Down, $5 Monthly.....Cash **$24.95**

84 WC 8532—Sanding Sheets. *State:* Fine, Med., Coarse. Wt. 8 oz. 12 for **45c**



New Black & Decker Heavy-Duty Sander

5 One of the fastest-cutting, most powerful orbital sanders on the market. Gives satin-smooth finishing at high speed. Perfect tool for professional furniture builders, carpenters, body shops, craftsmen, etc. King-size bottom plate extends beyond body for sanding in close quarters. Can be moved with, against or across wood grain. Knob handle can be placed on either side or in front of housing for easier operation. Switch handle located low on housing, close to base for best operating balance and control. Instant-release trigger switch can be locked in "On" position for continuous sanding. 110–120 volt AC-DC motor. With cord, plug, sandpaper.

84 WCP 8527—*Mailed Postpaid.* $6.50 Down, $7 Month.....Cash **$65.00**

Disc Sander - Polisher . . . For Wood and Metal Work



- **Powerful rotary action for heavy removal work in less time**
- **Most efficient for auto body sanding and buffing operations**
- **Lightweight aluminum alloy housing, lock-on trigger switch**
- **UL Approved—Fully Guaranteed against defects for One Year**

6 **New *POWR-KRAFT* 6-in. Sander-Polisher-Drill.** Excellent tool for fast removal work and high speed buffing operations. Designed specially for Wards. Used extensively for automobile body work by car-owners, garage men and small auto-shops (see view at left). Complete with genuine Jacobs ¼-in. geared chuck —converts quickly to electric drill for added versatility. Ball thrust bearing on spindle, self-lubricating bronze bearings elsewhere. Lightweight aluminum alloy housing. Precision cut spur gears are accurately meshed for smooth operation. Free-load speed 1800 RPM. Air-cooled universal type motor provides direct rotary power. 110–120 volt, 60 cycle AC-DC. Lock-on trigger switch. With rubber backing pad, sheepswool bonnet, 6 assorted sanding discs (6-in. diameter), side handle, cord and plug. UL Approved. Fully guaranteed against defects for one year (see guarantee on opposite page). Truly a time saving tool—save hours and hours of tedious hand labor—does the job in 1/10th the time. Hobbyists and professionals alike will agree this is one of the handiest tools made for the workshop. Only $2.50 Down on Wards Easy Credit Terms.

84 WC 8525—*Mailable.* Ship. wt. 5 lbs. $5 per Month.....or Cash **$23.95**

Aluminum Oxide Sanding Discs. *State:* Fine, Medium, Coarse or Extra Coarse.

84 WC 9347—6-in. diameter. Ship. wt. 6 oz.....5 for **49c**

WHICH SANDER SHALL I BUY?

Vibrator Type Sander. Designed for light sanding and fine finishing work. Can be used with soft pads for polishing.

Orbital or Oscillating Sanders. Use for both fine finishing and fast removal work—plus polishing, buffing.

Belt Sanders. Ideal for fast removal work on large flat surfaces. Perfect for floors, boat decks, etc.



7 $24.95

Burgess Light Duty Sander — $2.50 Down

- Ten times faster than hand sanding
- Self-lubricating bronze bearings
- Can be yours for only $5 Month

7 **Economical Belt Sander**—especially designed for fast removal of stock and for sanding of large, flat surfaces. Continuous straight-line action makes full contact with sanded surface. Much faster than hand sanding—saves hours of labor. Fan cooled rotary motor. Die-cast aluminum alloy metal housing.

2-in. wide belt ideal for sanding woodwork, furniture, floors, etc. Self-lubricating bronze bearings. Sanding belt is flush with left side of housing for close work. Direct chain drive; pushbutton switch. Set screw belt adjustment; belts easily changed. 3400 RPM motor; UL Approved. 110–120 volt, 60 cycle AC only. With 2 sanding belts (2x17½ in.), cord and plug. *Mailed Postpaid.* $2.50 Down on Wards Convenient Credit Terms.

84 WCP 8550—$5 per Month.....or Cash **$24.95**

Sanding Belts. *State:* Fine, Medium or Coarse.

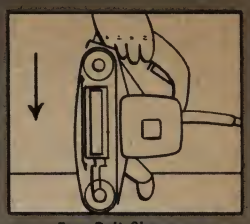
84 WC 9350—2x17½ in. Ship. wt. 2 oz.....Each **39c**

***POWR-KRAFT* Sander Guarantee.** If any Powr-Kraft Sander listed on these two pages proves to be defective in material or workmanship under normal use, Wards will repair or replace it at no extra charge to you, provided it is returned to Wards within 1 year of purchase date.

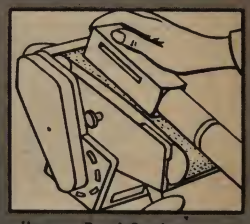
WHY NOT BUY THE BEST?—it costs little, if any more per month. Buy the sander you need now and pay for it as you use it. Only 10% Down on Wards Easy Credit Terms on purchases of $20 or more. See Page 44.



8



Easy Belt Change



Use as a Bench Sander

Compares With Heavy-Duty Belt Sanders Selling for $10 More

8 **All New *POWR-KRAFT* Model.** Finest belt sander we know of at this low price. Compare with other heavy-duty sanders—check prices! Heavy-duty construction throughout for continuous production use. Designed for faster cutting, smoother finishes; makes boat maintenance easy. Use on wood, metal or plastics. Positive tracking adjustment—turn of knob sets belt in perfect alignment. Fastest, easiest belt changing operation we've ever seen—just press . . . lock . . . release . . . belt changed in seconds. No maintenance, no gears to oil—no lubrication or further service. Free belt speed 1600 feet per minute. Sealed ball bearing construction throughout. Trigger switch with locking button. Perfectly balanced to take the work out of sanding. Operates on 110–120 volt, AC-DC. UL Approved (Industrial Standards). Out-of-way cord remains in upright position, provides greater freedom for operator. Includes 3 sanding belts (3x24 in.) and rugged steel carrying case.

Complete kit. Ship. wt. 29 lbs.

84WC8561M–$8.50 Dn. $8 Mo. or Cash **$84.50**

Sander Only. Ship. wt. 17 lbs. $8 Monthly.

84 WC 8560 M—$7.50 Down.....Cash **$74.50**

Extra belts. *State:* Fine, Med., Coarse. (3x24 in.)

84 WC 8531—Ship. wt. 3 oz.....Each **45c**



Why Put Up With Tiresome Hand Sanding? Power sanders will do the job in 1/10th the time—saves hours of hand labor. Gives your work that fine professional appearance—the finishing touch.



9 $11.95



10 $16.95



11 $24.50
$2.50 Down

9 TO 11 **Magnetic Vibrator Type Sanders.** Produce smooth finishes—excellent for sanding, polishing, fine finishing—also may be used as vibrator-massaging unit. One hand operation—easy to reach slide switch on front of sander. Self-loading—length of stroke increases with slight pressure. Lightweight—easy to operate on overhead, vertical or flat surfaces—not affected by dust or dirt. Self-tightening sand paper clamps. Straight line action—use with grain for finest finishes; across grain for faster removal work; excellent for sanding plaster. Molded plastic case fits palm. Operates on 110–120 volt, 60 cycle, AC-DC. UL Approved. All parts fully guaranteed for one year (see guarantee listed above). Your choice of 3 models.

Economical *POWR-KRAFT* Sander

9 **At this low price,** hand sanding can be a thing of the past. Has all features described above. Performs light sanding, polishing, finishing jobs with ease. Ideally suited for sanding between finishing coats of shellac or varnish. Full surface contact over 13¾-sq. in. sanding area. Lightweight, plastic body—weighs only 2½ lbs., easy one-hand operation in tight or irregular surfaces. Produces quick, short strokes in a straight-line motion.

Requires no lubrication. Self-tightening clamp makes abrasive changing easy. Complete with 6 sanding sheets (2½x7 1/16 in.), polishing cloth, rubber-covered cord and plug.

84 WC 8519—Ship. wt. 5 lbs.....**$11.95**

84 WC 8513—12 sanding sheets. Wt. 8 oz...**25c**

Heavy-Duty *POWR-KRAFT* Sander

10 **Wards Finest Vibrator Sander kit.** Full surface contact over large, 19-sq. in. sanding area—saves you hours and hours of tedious hand labor. Has more than twice the power of sander (9) at left. Lightweight, easy to handle—weighs only 4 lbs. Ideal for sanding dry wall seams—excellent for finish sanding on wood or smoothing patches in plaster—use the polishing cloths to polish furniture, etc. Self-tightening clamp makes abrasive changing easier. With 15 aluminum oxide sanding sheets (3⅛x7½ in.); two polishing cloths, handy metal carry case, rubber-covered cord and plug.

84 WC 8517—Complete Kit. Wt. 6 lbs.....**$16.95**

84 WC 8518—Sanding sheets. Wt. 8 oz. 12 for **39c**

See Complete Listing of Sandpaper on Page 19.

Dremel Sander With Case

11 **Large powerful, heavy-duty unit,** built for continuous use. Big 21-sq. in. sanding area. Dremel straight line action gives even, scratch-free surface. Lightweight, easy to handle on vertical surfaces. Strong metal construction—yet lightweight—weighs only 5 lbs. Clip-spring clamp pulls sanding sheets up tight. With 25 sanding sheets (3x9 in.), rubber backing pad, polisher, 3-wire cord with plug, handy metal carrying case. UL Approved. Only $2.50 Down Payment on Wards convenient terms. *Mailed Postpaid.*

84 WCP 8516—$5 per Month.....or Cash **$24.50**

Extra Sanding Sheets. Assorted grits.

84 WC 8509—Wt. 8 oz.....Package of 12 for **55c**



[1] **$37.50**
$4 Down

Heavy-Duty ¼-In. Drill Kit

DELIVERS MORE POWER AT CHUCK . . . WHERE POWER COUNTS

[1] **39-Piece *POWR-KRAFT* Outfit.** Designed and engineered to give years of service in home, shop, garage or on farm. Powerful drill has ¼-in. capacity in steel, ¾-in. in hardwood. Full ball, thrust and spindle bearing construction. Genuine Jacobs 3-jaw geared chuck with key. Double reduction gear train gives maximum power. Precision-cut, heat-treated alloy steel gears. Strong, lightweight, fully machined aluminum alloy housing. No-load speed 1500 RPM; full-load 900 RPM. Locking trigger switch has automatic release. Forced air ventilation. ¼-HP motor operates on 110–120 volt, AC-DC. Double Formvar insulation on both armature and field coils. Fully guaranteed (see Guarantee at right).

Accessories include: rubber backing pad; lambswool bonnet; 12 sanding discs; 6-pc. arbor adapter set; drum sander; 6 sanding sleeves; wire scratch brush; 4 high-speed drill bits; 3 wood-cutting bits; drill stand; auxiliary side handles; 3-wire cord and metal carrying case. UL Approved (Industrial Standards). *Mailable.* Ship. wt. 8 lbs. 8 oz.

84 WC 9381L—Kit with Palm-Grip Drill (shown). $4 Down, $5 Monthly.....Cash **$37.50**

84 WC 9380L—Kit with Spade-Grip Drill. $4 Down, $5 Monthly.....Cash **37.50**



[2] **$24.95**
$2.50 Down

Utility ¼-In. Drill Kit

- **Versatile outfit at Wards money-saving price**
- **⅛ HP motor . . . UL Approved . . . Guaranteed**
- **Self-oiling bronze bearing construction throughout**

[2] **34-Piece *POWR-KRAFT* Outfit.** Specially designed for hobbyist and handyman—to drill, sand, buff, etc. We know of no finer drill at this low price. Double-reduction gear train for maximum power. Precision-cut alloy steel gears. Self-oiling bronze bearing construction—fully machined aluminum castings. No-load speed 2000 RPM; full-load speed 1000 RPM. Forced ventilation. Locking trigger switch, safety release. Genuine Jacobs geared ¼-in. chuck. ⅛-HP motor operates on 110-120 volt, 60 cycle AC-DC. Formvar insulation on field and armature. UL Approved.

Accessories include: 7 carbon steel bits; horizontal drill stand for use as bench tool; rubber pad; sheepswool bonnet; buffing wheel; twelve assorted grit sanding discs; 6-piece arbor assembly; abrasive wheel; scratch brush; auxiliary side handle; paint mixer and metal carrying case. *Mailable.* $5 Monthly.

84 WC 9344L—Complete Kit. Wt. 8 lbs. $2.50 Down.Cash **$24.95**

GUARANTEE. If any Ward *POWR-KRAFT* electric drill listed on these two pages shows defects in material or workmanship under normal use, we will repair or replace it at no charge to you, if returned to Wards within 1 year of purchase date.



[3] **$56.50**
$6 Down

Power-Packed ½-In. Drill Kit

- **No stalling in wood or metal . . . fully guaranteed**
- **Exclusive 4-way rear handle operates in any position**
- **Genuine 3-jaw gear-type Jacobs chuck with key**

[3] **23-Piece *POWR-KRAFT* Outfit.** Big ½-in. utility drill provides ample power and capacity to perform hundreds of jobs this kit will do—drilling in wood, steel, concrete, polishing, etc. Exclusive 4-way adjustable rear handle—permits operation in any position. Removable top handle. Hardened alloy steel—triple reduction gear train. Lightweight, aluminum alloy housing. Cutler Hammer lock-type trigger switch. 3-jaw gear-type Jacobs chuck with key. Operates on 110–120 volt, 60 cycle, AC-DC. UL Approved (Industrial Standards). Fully guaranteed against defects (see details above).

Accessories include: backing pad, bonnet, 3 high speed steel drill bits; 3 masonry drills; 3 wood auger bits; 6-pc. spindle adapter; hole cutter attachment, countersink; wire wheel, horizontal stand; metal box; Allen wrench. Ship. wt. 23 lbs. *Mailable.*

84 WC 9242Y—Complete Kit. $6 Down, $6 Month.....Cash **$56.50**

Why not buy the best? It costs little, if any more per month. You need pay only 10% Down on Wards Convenient Terms on purchases of $20 or more. See complete details of Wards Credit Plan on Page 44.



4 **$27.50**
$3 Down

Heavy-Duty ¼-In. Drills

- **Dependable ¼ HP motor . . . UL Approved**
- **Full ball, thrust and spindle bearings**
- **For use in home, shop, garage or on farm**

4 5 **A real "handful of power"**—designed and engineered to give years of service. Combine ideal weight, power and size to give professional results time after time. You will find it to be the most useful tool in your workshop. UL Approved (Industrial Standards). Fully guaranteed against defects in workmanship and materials for one year—will be repaired or replaced free of charge if returned to us within one year of purchase date or your money refunded.

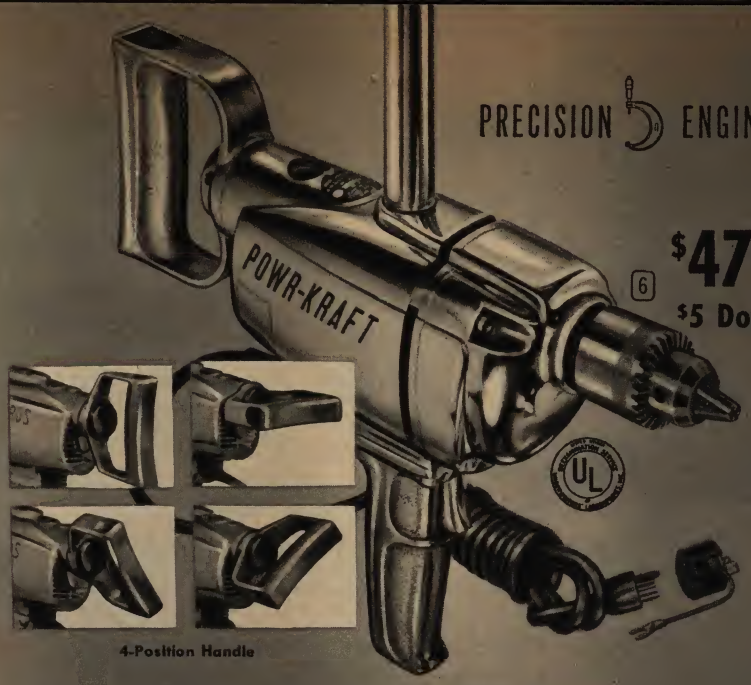
Genuine Jacobs 3-jaw geared ¼-in. chuck with key. Double reduction gear train for maximum power. Precision-cut, heat-treated alloy steel gears. Strong, lightweight, fully machined aluminum alloy housing. No-load speed 1500 RPM; full-load speed 900 RPM. Locking trigger switch has automatic release. Forced air ventilation. Powerful ¼ HP motor operates on 110–120-volt, 60-cycle AC-DC. Double Formvar insulation on both armature and field coils. With 6-ft., 3-wire cord and plug. Your choice of 2 styles.

(4) **Heavy-Duty Palm-Grip Drill.** 8¼-in. long. Ship. wt. 4 lbs. *Mailable.* $3 Down on Terms.

84 WC 9301—$5 per Month.....Cash **$27.50**

(5) **Heavy-Duty Spade-Grip Drill.** 10¾-in. long. Ship. wt. 4 lbs. *Mailable.* $3 Down on Terms.

84 WC 9302—$5 per Month.....Cash **$27.50**



PRECISION ENGINEERED

6 **$47.95**
$5 Down

4-Position Handle

Your Best ½-In. Drill Buy

1. **Because it won't stall in metal or wood**
2. **Because of Jacobs gear chuck . . . choice of two motors**
3. **Because of exclusive four-position rear handle**
4. **Because of Wards lower prices . . . 1-year guarantee**

6 ***POWR-KRAFT*** **½-In. Heavy-Duty Drill.** Provides extra power, low speed and extra large capacity to handle toughest jobs. Features exclusive 4-way adjustable rear handle—permitting operation in any position. Removable top handle. Hardened alloy steel—triple reduction gear train. Lightweight, aluminum alloy housing. Cutler Hammer lock-type trigger switch. Powerful ⅔-HP motor runs on full-ball and needle bearings—110–120-volt, AC-DC. No-load speed 500 RPM; full-load 350 RPM. Compare it with any drill in this price range.

84 WC 9273 M—*Mailable.* Ship. wt. 11 lbs. $5 Down.....Cash **$47.95**

POWR-KRAFT **½-In. Utility Drill.** Similar to (6) above. Operates on ball and bronze bearings. ½-HP motor. Designed for home shop or handyman. No-load speed 450 RPM; full-load 300 RPM. *Mailable.*

84 WC 9272 M—Ship. wt. 11 lbs. $3.50 Down, $5 Month.Cash **$34.50**

7 **Right Angle Drive Attachment.** For ½-in. drills. Delivers double or half normal speed. Perfect for drilling in confined spaces between joists, studding. Gives 2-to-1 speed reduction for drilling large holes.

84 WC 9315—Spindle adapter included. Wt. 1 lb. 8 oz.....**$16.50**



8 ***POWR-KRAFT*** **½-In. Drill Stand.** Converts ½-in. drills above into drill press. Drills to center of 6-in. circle. Spindle travels 4½ in. Adjustable for height and radial position; regulates depth. Ship. wt. 8½ lbs.

84 WC 9274 M.....$19.95



9 **$16.95**

10 **$38.95**
$4 Down

11 **$38.95**
$4 Down

12 **$29.50**
$3 Down

POWR-KRAFT Performance-Proven ¼ and ⅜-in. Drills . . . Low as $16.95

9 ***POWR-KRAFT*** **¼-In. Utility Drill.** Designed for hobbyist and handyman—to sand, buff, etc. We know of no finer drill at this low price. Self-oiling bronze bearing construction throughout. ⅛-HP motor drives a double reduction gear train for maximum power. Precision cut alloy steel gears. Fully machined aluminum castings. No-load speed 2000 RPM; full-load speed 1000 RPM. Forced air-ventilation. Locking trigger switch, safety release. Genuine Jacobs gear chuck. Operates on 110–120 volt, 60-cycle, AC-DC. Formvar insulation on field and armature. UL Approved. Fully guaranteed against defects in materials for one year (see guarantee on opposite page). With 6-ft. 2-wire rubber cord and plug. *Mailable.*

84 WC 9300 L—Ship. wt. 4 lbs. .Only **$16.95**

10 11 ***POWR-KRAFT*** **Professional ¼-In. Drills.** Powerful ⅓-HP motor and performance-proven operation make these drills an outstanding buy for handyman or professional. Use to drill, polish, sand, buff, grind—dozens of other jobs. Full ball and needle bearing construction—permanently grease sealed. Genuine Jacobs 3-jaw geared chuck with key. Double-reduction gear train. Precision-cut, heat-treated steel alloy gears. Fully machined castings. Lightweight, aluminum housing, highly-polished mirror finish. No-load speed 1800 RPM: full-load speed 1000 RPM. Safety release locking trigger switch. Operates on 110–120 volt, 60 cycle AC-DC. Double Formvar insulation on armature, field. UL Approved to rigid Industrial Standards. Fully Guaranteed against defects in workmanship and materials for 1 year (see opposite page). Your choice of 2 styles. Ship. wt. 8 lbs. 8 oz. *Mailable.* $4 Down on Terms.

(10) 84 WC 9303 L—Palm-Grip Drill. $5 Month..Cash **$38.95**

(11) 84 WC 9304 L—Spade-Grip Drill. $5 Month.Cash **38.95**

12 ***POWR-KRAFT*** **⅜-In. Low Speed Drill.** Slower speed is especially needed for heavier jobs because it supplies more power. Special double reduction gear train provides lower speed—greater torque. Full ball thrust and spindle bearings. Genuine Jacobs 3-jaw chuck with key. Precision-cut, heat treated alloy steel gears. Lightweight aluminum alloy housing. No-load speed 1000 RPM; full-load 500 RPM. Locking trigger switch; automatic release. ¼-HP motor operates on 110-120 v., AC-DC. Double Formvar insulation. UL Approved. See Powr-Kraft guarantee listed on opp. pg. 8½ in. long. Ship. wt. 4 lbs.

$3 Down on Credit Terms, see Page 44.

84 WC 9305—*Mail.* $5 mo.Cash **$29.50**



Nationally-Known Black & Decker Drills

- Preferred and used by professional mechanics for many years
- All parts guaranteed and UL Approved (Industrial Standards)
- Ball and self-lubricating bronze bearings; geared type chuck
- Plenty of power . . . provide smoother operation for all jobs
- Powerful universal motor, operates on 110–120 volt, AC-DC
- Die-cast aluminum alloy housing—polished mirror finish

¼-In. Medium-Duty

1 **Ideal basic power unit** for most shop and home jobs. More than ample power for sanding, polishing; drilling in wood, metal, masonry, brick and concrete. Handy and practical for intermittent service jobs. ¼-in. capacity in steel, ½-in. capacity in hardwood. No-load speed 2250 RPM, full-load speed 1400 RPM. Instant trigger-type switch with locking pin. Lightweight—weighs only 3 lbs. With rubber covered cord. With this drill, Wards will include FREE a Powr-Kraft 7-pc. high speed drill bit set ($2.89 value). *Mailed Postpaid.* $3 Down on Credit Terms.

84 WCP 9390—$5 Monthly.....Cash **$28.95**

¼-In. Standard "Holgun"

2 **Perfect drill** for the man who occasionally does heavy-duty drilling but does not need a continuous production-type tool. Ideal for garages, body shops, maintenance crews, installation work, etc. Anyone who insists on a better quality tool at a moderate price will be more than satisfied with its dependable service. ¼-in. capacity in steel; ½-in. in hardwood. No-load speed 1700 RPM; full-load 1050 RPM. Length overall 7⅝-in. Lightweight—weighs only 3¼-lbs. Buy drill and receive FREE a Powr-Kraft 7-pc. high speed drill bit set ($2.89 value). *Postpaid.* Only $4.50 Down on Terms.

84 WCP 9389—$5 Monthly.....Cash **$42.00**

⅜-In. Medium Duty

3 **Men in service and installation field** need this bigger capacity drill. Also greatly in demand by farmers and advanced home craftsmen who need a professional tool with increased capacity. Powered and geared to correct torque and speed for drilling all types of bits, including twist drills up to ⅜-in., wood augers up to ¾-in., and masonry bits up to 1¼-in. Has ⅜-in. capacity in steel, ¾-in. capacity hardwood. No-load speed 1000 RPM, full-load 600 RPM. Length overall 8-in. Actual wt. 3¼ lbs. Receive FREE a Powr-Kraft 7-pc. high speed drill bit set with purchase of drill ($2.89 value).

84 WCP 9392—*Postpaid.* $4 Down....Cash **$39.95**

Black & Decker ½-In. Utility Drill

4 **Compactly designed drill** with extra power and capacity for drilling larger holes in wood, metal and composition. Drives twist drills from ⅛-in. to ½-in., wood augers up to 1-in., hole saws up to 3-in. Perfect for farm buildings, fences, truck bodies; construction, installation and repair work. Has ½-in. capacity in steel; 1 full inch capacity in hardwood. No-load speed 375 RPM, full-load speed 250 RPM. Balanced spade, pistol and removable pipe grips. Correctly balanced to eliminate vibration. Provides plenty of power for smoother operation. Instant trigger-type switch with locking pin. Buy drill and receive a Powr-Kraft 7-pc. high speed drill bit set FREE.

84 WCP 9391M—*Mailed Postpaid.* $5.50 Down, $6 Monthly...or Cash **$52.50**

New Reversible ½-In. Heavy-Duty Drill

5 **Exclusive reversing switch-ring** provides full, positive power both forward and in reverse. For continuous production drilling of up to ½-in. diam. holes in steel. Newly designed gearing provides over 100% more drilling power than former ½-in. models. Delivers a higher spindle speed for greater productivity in all industrial applications. Easily removed chuck and full power-delivery makes drill a top performance power unit for running hoists, light elevators, etc. No-load speed 650 RPM. Correctly balanced to eliminate vibration. ½-in. capacity in steel; 1½-in. in wood. FREE Powr-Kraft 7-pc. High Speed drill set included with purchase. $10 Down on Terms, $9 Monthly.

84 WCP 9393M—*Postpaid.* Actual wt. 16 lbs. 8 oz.....Cash **$100.00**



6 **$49.95**
$5 Down

¼-In. DeLuxe Drill Kit

6 **Most popular and complete Black & Decker** ¼-in. deluxe drill outfit with many new features. New ¼-in. drill with geared chuck, horizontal stand for bench work and 20 accessories for drilling, sanding, polishing, brushing, grinding, buffing, sharpening, shaping and mixing. Drill has ball thrust bearings on spindle. Hardened alloy steel gears, accurately meshed for smooth, quiet operation. Strong lightweight, die-cast aluminum alloy housing. Instant, trigger-type switch with locking pin. Operates on 110–120 volt AC-DC motor. Correctly balanced to eliminate vibration.

Accessories include: backing pad; polishing bonnet; 9 sanding discs; wheel arbor; wire wheel brush; grinding wheel; buffing wheel, tube of buffing compound; paint mixer; roll sanding arbor and abrasive roll. All in a hammerloid-blue steel kit box with sliding drawer and extra space for hand tools and other accessories. UL Approved (Industrial Standards). *Postpaid.*

84 WCP 9395—$5 Down on Terms, $5 Monthly.....Cash **$49.95**

Don't do without, buy the drill you want now—and enjoy using it while you pay for it. You need pay only 10% Down on Wards Convenient Terms on purchases of $20 or more. Buy the best—it costs little, if any more per month. See Page 44.



Drilling Channeling Breaking

7 **$155.00**
$15.50 DOWN



8 **$89.00**
$9 DOWN

9 10

Power Packed Heavy Duty Electric Hammer

- **Performs 2300 powerful blows per minute**
- **Drills efficiently from ¼ to 1⅛ inches**
- **Complete kit in sturdy compact case**

7 **Black & Decker ¾-In. Portable Model.** Power-packed to deliver thousands of hard, rapid blows for drilling, chipping, scaling, channeling, gouging, caulking, breaking and vibrating (see views above). Minimum weight to give maximum working efficiency on hundreds of installations, maintenance, remodeling and service operations. Completely self-contained, powered by universal motor which operates on standard 110–120 v. AC house current. UL Approved.

Operating range from ¼ to 1⅛-in. Alloy steel gears, carefully heat-treated for correct hardness. Die-cast aluminum alloy housing with fan and ventilating ports to maintain low operating temperatures. Heavy-duty handle for best operating balance. Length overall, 14⅝-in. Kit includes: hammer, chuck wrench, dust shield, ⅝-in. star drill, drift key, can of oil, rugged carrying case. With cord and plug. Actual wt. 20¼-lbs. *Mailed Postpaid.*

84 WCP 9396M—$15.50 Down, $11 per Month..Cash **$155.00**

Wards Guarantee Powr-Kraft Items Against Defects for 1 Year.

Compare With Impact Wrenches Selling for Over $100

- **Ball and needle bearing construction**
- **No operator shock—full power reverse**
- **Instant power response; rotary motion**
- **Applies, removes bolts in 1/10th time**

8 ***POWR-KRAFT*** **Impact Wrench.** Equal in capacity to impact wrenches selling for $100 or more—you save over $20 at Wards. Fast-working, versatile tool that tightens and removes bolts in 1/10th the time. Big capacity—handles bolts with ⅜ to ½-in. shank. Adjustable torque 150 to 275 lbs.; delivers 1600 to 1800 impacts per min. Maximum torque in 6 seconds. Tough, lightweight—perfectly balanced. Full power reverse—conveniently located slide switch. Aluminum alloy housing. Contour pistol grip, trigger switch. Constantly cool running with jet air-stream cooling. 110–120 volt, 60 cycle AC-DC. Designed to reduce fatigue. UL Approved. Guaranteed against defects in materials for one year.

84 WC 9284—Ship. wt. 8 lbs. $9 Down Payment, $8 per Month.....or Cash **$89.00**

9 **Jacobs Tap Chuck.** Converts Impact Tool into drill for reaming, tapping, drilling, etc.
84 WCP 9370—Capacity 3/16 to ½-in. taps. Wrench included. *Postpaid*.....**$14.00**

10 **Impact Sockets.** ½-in. drive. Sizes: 7/16, ½, 3/16, ⅝, 11/16, ¾, 13/16, ⅞-in.
84 WC 4870—*State size.* Ship. wt. 6 oz. each.....Each **75c**
84 WC 4890—COMPLETE SET. Includes all sizes above. Wt. 4 lbs.....8-Pc. Set **$5.50**

Dremel Moto-Tool—Pocket-Size Machine Shop $25.95

11 **Electric Rotary Tool Kit.** Modern, deluxe kit contains practical assortment of fine accessories. Enables you to carve, cut, drill, engrave, grind, polish wood, plastics and soft metals, and etch glass. A real quality combination to thrill the amateur and professional craftsman. One of the most versatile tools a man can own. Handles big jobs without stalling. Lightweight and portable—can be taken right to the job.

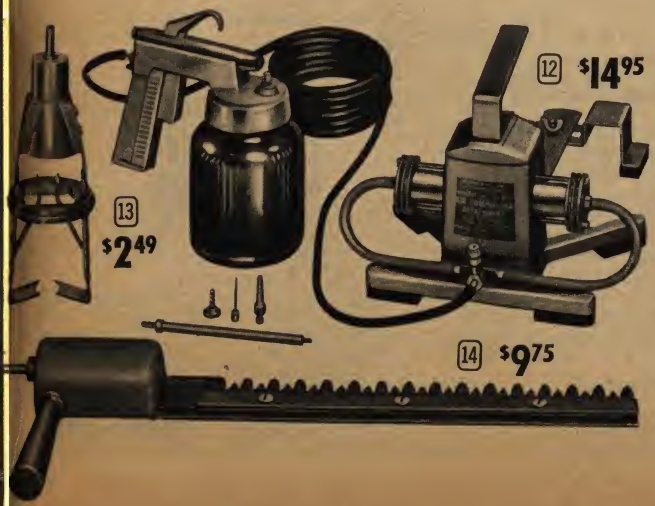
Moto-Tool does in seconds, jobs which are slow and difficult to do with ordinary hand tools. Fingertip control and vibrationless operation permit you to do fine detail work with pin point accuracy. Will outperform any tool in its class. Widely used in industrial plants, tool and die shops, pattern shops, garages, laboratories—wherever precision workmanship is required. Designed to comfortably fit the hand. Delivers 27,000 RPM for perfect performance of small wheels and cutters. Universal motor operates on 110–120 volt, 60 cycle AC-DC. Complete with chuck, ⅛-in. collet and 24 handy accessories in convenient steel carrying case. Fully guaranteed against defects in workmanship and material for one year. Underwriters' Laboratory Approved.

84 WCP 9298—*Mailed Postpaid.* $3 Down, $5 Monthly on Terms.....or Cash **$25.95**



11

Make Wards Your Headquarters for Labor-Saving Attachments for Electric Drills



12 **$14.95**

13 **$2.49**

14 **$9.75**

12 **Air compressor and Paint Sprayer.** Versatile drill attachment does many jobs in your home workshop. Use for painting, cleaning hard-to-get-at places, inflating toys, tires, etc. Fits any ¼-in. chuck. Compressor is twin cylinder, piston type. Bleeder-type spray gun threaded to accept 1-quart glass mason jar. External mix, siphon type gun designed for fast-drying paints, lacquers, shellacs, etc. Capacity of 0.5 cu. ft. of air, 25 pounds per sq. in. at 1500 RPM. Easy to set up and ready to operate in just a few minutes.

Includes: air compressor, spray gun, 1-quart mason jar, 10-ft. rubber hose, pressure regulator, 50-lb. capacity air gauge, 3 air inlet valve adapters, support bracket, operating instructions. Shipped promptly from Stock in Chicago, Baltimore or Oakland; order and pay postage from nearest Mail Order House.

84 WC 9267T—Ship. wt. 8 lbs.....**$14.95**

13 **Spin-a-Brush Attachment.** Converts ¼-in. or larger drill into speedy paint brush cleaner. Spins brush clean in 90 seconds. ¼-in. diameter shank.

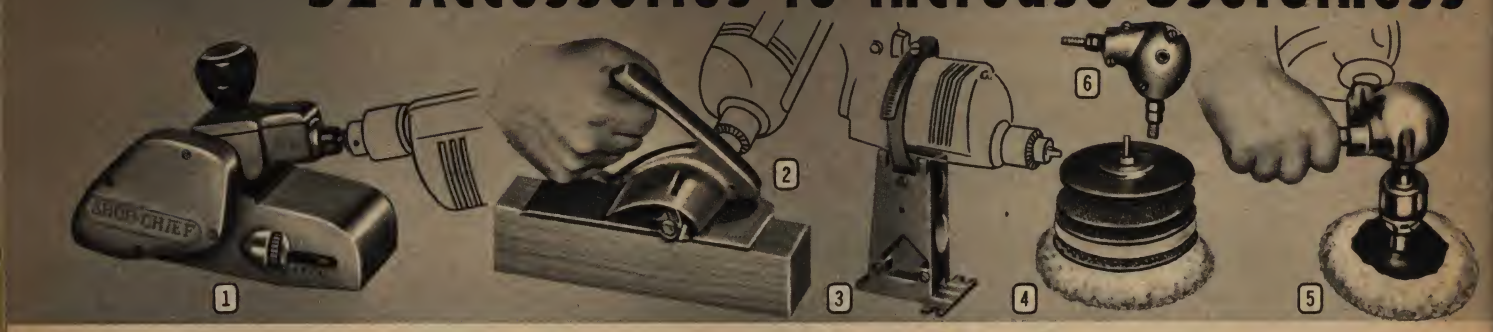
84 WC 9254—Fits in drill chuck. Ship. wt. 2 lbs.....**$2.49**

14 **Hedge Trimmer Attachment.** Saves time and energy—takes "work" out of hedge trimming. Quickly, easily clips shrubs, small branches, twigs; trims hedges, etc. 12-in. tempered alloy steel blade is precision ground and hardened. ¼-in. drive spindle. Operates on any electric drill with speed of 800 to 2500 RPM. Convenient side handle insures steady and positive control.

84 WC 9269—Ship. wt. 3 lbs. 4 oz.....**$9.75**

See Pages 42 and 43 for Complete Selection of Wards Labor Saving Drill Attachments and Accessories.

52 Accessories to Increase Usefulness



Add to the versatility of your electric drill with any of the fine attachments offered on these pages. An unlimited number of operations are possible—an accessory to meet every need. Pay for them on easy monthly payments—see Page 44 for details of Wards Credit Plan.

[1] **Shop Chief Belt Sander.** Covers 10 square inch sanding area. 2x17½-in. endless sanding belt. Bronze bearing sealed in grease for years of efficient operation. Gives smooth, positive flow of power. Ideal for the home craftsmen. Use with any ¼ or ⅜-inch drill. Cast-aluminum housing. With light and medium pressure pads and one medium grit belt. *Mailed Postpaid.*

84 WCP 9326—$2 Down on Terms. .Cash **$19.95**

Sanding Belts. Aluminum oxide. Fine, medium or coarse grits. Fit sander (1) above. 2x17½ in.

84 WC 9350—*State grit.* Ship. wt. 2 oz. . .Each **39c**

[2] **Planer Attachment.** Planes soft or hardwood—with or across the grain—and plastics. Perfectly balanced—easy to handle. Diagonal shearing action eliminates deflections from knots or bad grain. 6-flute spiral cutter. You can adjust depth for any type cut. Cutting width 1¾ inch. Oilite bearings. Use with high RPM drills.

84 WC 9319—Ship. wt. 3 lbs. **$9.95**

[3] **Horizontal Drill Stand.** Fits ¼ or ⅜-in. drill. Fastens firmly to bench or clamps in vise—leaves both hands free to guide work.

84 WC 9307—Ship. wt. 1 lb. **$2.25**

[4] **Sanding-Polishing Kit.** With rubber pad, 3 assorted 5-in. sanding discs, lambswool bonnet.

84 WC 9329—Ship. wt. 1 lb. . . . . Kit **$1.29**

[5] **Right Angle Drive Kit.** Use in either direction—has 2-to-1 gear ratio—gives double or half drill speed as desired. Put either end into ¼-in. chuck or screw directly on drill spindle, using chuck on other end. Close coupled—excellent for tight places. With 4⅞-in. diam. rubber pad; 3 garnet discs—fine, medium, coarse grits; 5-in. lambswool polishing bonnet.

84 WC 9312—Ship. wt. 1 lb. 8 oz. **$5.98**

5-In. Lambswool Bonnets. Fit Kits (4) and (5).

84 WC 9328—Ship. wt. 8 oz. . . . . 2 for **$1.10**

[6] **Right Angle Drive only.** Described in (5) above.

84 WC 9314—Ship. wt. 12 oz. **$4.79**



[7] **4-Inch Circular Saw Attachment.** Converts your drill to a saw. Cuts to depth of 1 inch, bevels to 45°. Cast-aluminum housing, oilite bronze bearings. Saw grip handle. With 4-in. rip-crosscut blade. Use with drills over 1500 RPM.

84 WC 9232—Ship. wt. 2 lbs. **$6.95**

84 WC 9250—Extra Blade. Ship. wt. 8 oz. . . **1.25**

[8] **Bull Hole Saw Attachment.** For fast and neat carpentry, plumbing, sheet metal or decorative work. Cuts large circular holes in any kind of stock—wood, plastic, soft metals to ¾-in. depth. 4 high-carbon steel blades—1, 1½, 2, and 2½-in. diam. Lightweight. For ⅜ or ½-in. drill.

84 WC 9324—Ship. wt. 1 lb. **$4.95**

[9] **Adjustable Hole Saw Attachment.** Adjust dial to cut any desired diameter hole from 1⅛ to 2½ in. Fits all electric drills or drill presses. Blades have cutting depth of 1⅛ in. For running pipe, conduit, cabinet work, etc.

84 WC 9320—Ship. wt. 1 lb. 8 oz. **$3.98**

[10] **Hacksaw Attachment.** Your ¼ or ⅜-in. drill becomes a power hacksaw with this attachment. Eliminates slow, tiring hand sawing. Cuts wood up to ¾ inch thick; cuts light-gauge metals clean and fast. Rugged steel construction . . . no gears or bearings to wear out. Handle folds when not in use to protect 3-inch woodcutting blade. Use with any low-speed drills.

84WC9321–Ship. wt. 1 lb. **$5.45**

84WC9322–Blade for wood. Wt. 9 oz. Pkg. of 3 **45c**

84WC9323–Blade for metal. Wt. 9 oz. Pkg. of 3 **45c**

[11] **4-Inch Circular Saw Attachment.** Double the usefulness of your ¼-in. drill. Saw attachment cuts up to 1 3/16 inches deep; bevels to 45°. Easy to handle. Grease-sealed gears in case—aluminum 1-piece gear box. With blade guard, handle and 4-inch combination rip-crosscut saw blade. Use with drills over 1500 RPM.

84 WC 9310—Ship. wt. 2 lbs. 14 oz. **$9.75**

84 WC 9311—Extra Blade. Ship. wt. 8 oz. Ea. **1.19**

[12] [13] **Genuine Jacobs Geared Chucks.** For electric drills. All with keys included. Ship. wts. 10 oz., 12 oz., 1 lb. 8 oz.

(12) 84 WC 9365—¼-in. ⅜x24 thread. **$5.35**

84 WC 9368—⅜-in. ⅜x24 thread. **6.20**

(13) 84 WC 9367—½-in. ½x20 thread. **7.25**

[14] **Replacement Chuck Keys.** Fit all chuck numbers listed below. Order by Catalog Number.

84 WC 9371—Fits Supreme Chucks No. 1A, 1T1; Jacobs Chucks 1B and 1A. Ship. wt. 3 oz. **40c**

84 WC 9372—Fits Supreme Nos. 4A, 4B, 4C, 4T1, 4T2; Jacobs 7B, 71-A, 7. Ship. wt. 3 oz. **50c**

84 WC 9369—Fits Supreme No. 13, Jacobs MC-4, 30-1A, 30-B. Ship. wt. 12 oz. **55c**

84 WC 9373—Fits Supreme Nos. 3A, 3B, 3D, 3T2, 5B, 5D, 5T33; Jacobs 32B, 32, 33B, 33. Wt. 4 oz. **60c**

84 WC 9374—Fits Supreme Nos. 2A and Jacobs No. 2B. Ship. wt. 2 oz. **60c**

[15] **11.89**



Drill Stand

[15] **Powr-Kraft ¼-In. Drill Stand.** Converts ¼ or ⅜-in. drill into easy-to-operate, accurate drill press. Fast-acting clamps hold head to column.

Drills to center of 8-in. circle, spindle travels 2 in. Rack and pinion gear and V-way slide for smooth, easy feed. Depth gauge and stop.

Adjustable thrust screw takes thrust load on end of drill. Strong 1¼-inch diameter steel column. Holes in base for easy mounting.

84WC9245-Wt.51bs. **$11.89**

Jig Saw Attachment $9.98

- **Versatile tool for curved or straight cuts**
- **For metal, plastics, or wood up to 2x4's**
- **Even cuts through embedded nails**

[16] **Converts your ¼ or ⅜-in. electric drill** into portable jig saw or may be mounted in bench vise by locking mounting T-bar and used as stationary saw (see view (A)). Blade guide permits use of narrow 3/16-in. blade.

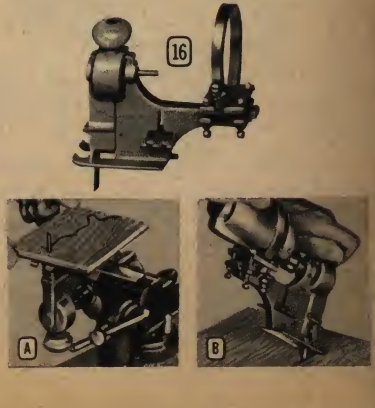
Cuts patterns, circles, etc. in metal, plastic or wood—makes openings without starting holes (see view (B) at right). Sawdust blower keeps cutting lines clear. Comes with six assorted blades.

84 WC 9317—Ship. wt. 3 lbs. **$9.98**

Extra Blades for (16) above. Wt. pkg. 8 oz.

84 WC 9309—Wood blades. Pkg. of 6. . . . . **$1.89**

84 WC 9318—Metal blades. Pkg. of 6. . . . . **1.59**



of Your ¼ or ⅜-in. Electric Drill



17 5-Pc. Drill Bit Sets. ¼-in. round shanks. ¼ to ½ in. by 16ths. High speed for wood, hard metal.
84 WC 4508—High Speed Steel. Wt. 9 oz. Set **$4.98**
84 WC 4506—Carbon steel. Wt. 9 oz.... Set **2.98**

Individual Drill Bits. Same as (17). Wt. 5 oz.
84WC4507–Carbon steel. 84WC4509–High speed.

Size	84 WC 4507	84 WC 4509	Size	84 WC 4507
¼ in.	32c	59c	9/16 in.	$1.29
5/16 in.	42c	$1.09	5/8 in.	1.59
⅜ in.	55c	1.29	11/16 in.	1.89
7/16 in.	79c	1.69	¾ in.	2.29
½ in.	$1.09	2.19	.....	.....

18 21-Pc. High-Speed Drill Set. Hardened, tempered. All sizes from 1/16 to ⅜ in. by 64ths.
84 WC 4513—In metal case. Wt. 2 lbs. Set **$13.50**

19 10-Pc. Straight Shank Drill Sets. Ten most used sizes from 1/16 to ¼ in. Plastic box.
84WC4549—High Speed Steel. Wt. 2 lbs. Set **$3.79**
84WC4548—Carbon Steel. Ship. wt. 2 lbs. Set **2.39**

20 7-Pc. Straight Shank Drill Sets. Sizes 1/16 to ¼ in. by 32nds. In handy plastic box.
84 WC 4503—High Speed Steel. Wt. 8 oz... **$2.89**
84 WC 4502—Carbon Steel. Ship. wt. 8 oz.. **1.49**

21 29-Pc. Drill Sets. Complete range of sizes for every requirement. Meet highest industrial requirements. Sizes 1/16 to ½ in. by 64ths. In handy metal stand. Ship. wt. 4 lbs. 8 oz.
84 WC 4533—High Speed Steel..... Set **$26.95**
84 WC 4534—Carbon Steel..... Set **13.95**

22 60-Pc. Wire Gauge Drill Sets. Conform to highest industrial standards. Sizes 1 to 60. High-speed steel for use in high RPM tools or carbon steel for standard low RPM drills. Hvy.-ga. steel storage case.
84 WC 4536—High Speed Steel. Wt. 7½ lbs. Set **$18.95**
84 WC 4537—Carbon Steel. Wt. 7½ lbs... Set **13.50**

23 New Drill Index. Simple and efficient filing system for all twist drills. All steel—long lasting. Indexed container—drill panels fold into index like pages of a book. For jobbers or fractional drills 1/16 to ½ in. inclusive, by 64ths. Decimal equivalents. 4x7x1¾-in. case.
84WC4538–Ship. wt. 8 oz.. **$2.29**







24 Power Auger Bits. ¼-in. shanks, fit all electric drills. Bore clean holes in wood, plastics, etc.
84 WC 4524—Ship. wt. each 2 oz. *State size.*
⅜-in. size **69c**; ½-in. size **69c**; ⅝-in. size **79c**
¾-in. size **79c**; ⅞-in. size **85c**; 1-in. size **89c**
84 WC 4522—Ship. wt. 12 oz. Complete set of 6 **$4.29**

25 Boring Tool Set. Interchangeable spring steel cutters for wood. 8 sizes: from 9/16 to 1 in.
84 WC 4500—In plastic box. Ship. wt. 6 oz..... **$1.98**

26 4-Pc. Masonry Drill Set. Carbide-tipped steel drills. Sizes: ¼, 5/16, ⅜, ½.
84 WC 4515—¼-in. shanks. Wt. 1 lb. .....Set **$5.69**

27 Hole Cutter. Cuts holes ⅞ to 4-in. diam. Has ¼-in. diam. shaft. Fits ¼-in. chuck or bit brace.
84 WC 3656—Ship. wt. 12 oz..... **$1.69**
84 WC 3657—EXTRA BLADE. Ship. wt. 2 oz..... **55c**

28 Drill Grinder Stand. Adjustable. With instructions.
84 WC 4501—Ship. wt. 1 lb..... **$2.49**

29 New Drill Sharpener Attachment. Makes drill sharpen its own bits. For all sizes to ½-in. diam. 4 different drill point angles . . . for any length twist drill. Also converts drill to bench grinder.
84 WC 9247—Ship. wt. 2 lbs..... **$6.49**

30 Sanding Drum. Rubber-cushioned. Expansion type grip. Excellent for hard-to-get-at spots.
84 WC 9330—¼-in. diam. shank. *State diam.*
1-in. diam.x1 in. wide. Ship. wt. 6 oz..... **55c**
1½-in. diam.x1½ in. wide. Ship. wt. 6 oz.... **59c**
2-in. diam.x1½ in. wide. Ship. wt. 6 oz..... **69c**

31 Sanding Sleeves. For (30). Fine, med., coarse.
84 WC 9351—*State diam., grit.* Wt. 2 oz. 5 for **45c**

32 ¼-In. Drill Arbor. Fits ¼, ⅜, ½-in. holes.
84 WC 9327—2 in. long. Ship. wt. 6 oz.... **49c**

33 Wire Cup Brush. 1½-in. diam. ¼-in. spindle.
84 WC 9255—Ship. wt. 3 oz..... **89c**

34 3-in. Abrasive Wheel. Fully vitrified aluminum oxide, 60-grit. ¼-in. spindle.
84 WC 9333—Ship. wt. 3 oz..... **69c**

35 3-in. Medium Wire Brush. ¼-in. arbor hole.
84 WC 9252—Ship. wt. 3 oz..... **75c**

36 5-Pc. Combination Drill, Countersink Set. Drills guide holes, countersinks for flat head screws in 1 operation. Fit ¼-in. chucks. 5 sizes for wood screws: ¾ in. No. 7; 1 in. No. 8; 1¼ in. Nos. 8, 10; 1½ in. No. 12.
84 WC 4163—Ship. wt. 8 oz..... Set **$3.49**

37 TO 40 Rotary Mounted Grinding Tools. Fit electric drills, flexible shafts. For finish work, die-cutting, etc. 60-grit vitrified alum. oxide.
84 WC 9331—¼-in. shafts. *State shape.*
(37) **Round** 1x1 in. Ship. wt. 3 oz..... **59c**
(38) **Cone** 11/16x1¼ in. Ship. wt. 3 oz..... **59c**
(39) **Straight** 1x1 in. Ship. wt. 3 oz..... **59c**
(40) **Cylinder** ½x1 in. Ship. wt. 3 oz..... **59c**
84WC9332–SET OF 4 ABOVE. Ship. wt. set 1 lb. **$1.98**

41 TO 48 Hand-Cut Rotary Files. Shank ¼-in. diameter, 1¼ in. long. Deep cut. High-speed steel. Ship. wt. ea. 4 oz.

	Cat. No.	Shape	Diam.	Each
(41)	84 WC 9338	Tree Pointed Nose	½ in.	$1.79
(42)	84 WC 9339	90° Cone Deburring	½ in.	1.79
(43)	84 WC 9337	Cyl. Radius Nose	¼ in.	1.79
(44)	84 WC 9335	Ball Shape	⅜ in.	1.79
(45)	84 WC 9336	Cylinder Flat Nose	½ in.	1.79
(46)	84 WC 9340	Cone Pointed Nose	5/16 in.	1.79
(47)	84 WC 9342	Convex Concave	¼ in.	1.79
(48)	84 WC 9341	Inverted Cone	½ in.	1.79

Rotary File Assortment. Includes (41) through (48).
84 WC 9343—Ship. wt. 2 lbs... Set of Eight **$13.95**

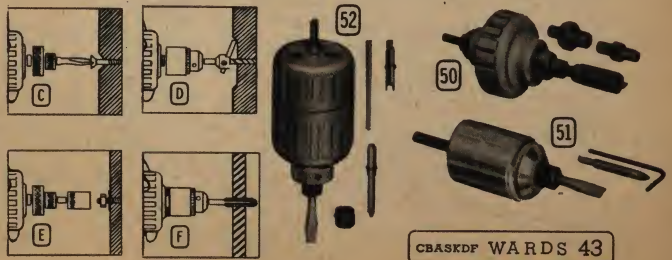
49 ⅝-In. Countersink. For wood, soft metals.
84WC4167–¼-in. rd. shank. Ship. wt. 4 oz. **39c**

50 5-to-1 Speed Reducer-Screwdriver. Hand clutch. Grip speed reducer—tool starts; release—tool stops. Increases torque 5 times. Use chuck or directly on spindle with chuck on other end. With bit to fit Nos. 8, 10 screws.
84 WCP 9316—*Postpaid*..... **$9.98**

51 Screwdriver Attachment. Pressure on handle engages friction clutch. Drives screws to 3/16-in. diam. Aluminum housing.
84WC9357—With bit. Wt. 8 oz. **$4.39**

Speed Reducer $13.95

52 Instantly Reversible. Converts drill to 4 operations shown at right: (C) POWER SCREWDRIVER—reverse for removing heads; (D) POWER SPEED REDUCER—cuts speed 5 to 1 for hole cutting, etc.—instantly reversible; (E) POWER WRENCH—¼-in. sq. drive adapter fits standard sockets; (F) POWER TAPPER—drive like drill, reverse to remove tap. Operations (D) (F) require chuck with No. 33 taper. With ¼-in. flat, No. 2 Phillips screwdriver bits. ¼-in. adapter.
84 WC 9348—Ship. wt. 2 lbs..... **$13.95**



Buy on Convenient Credit Terms

THREE REASONS WHY IT'S EASY TO SHOP AT WARDS FOR POWER TOOLS

1. Easy to Open an Account

Simply write your order in the usual way (the first order must be $20 or more). Fill in the credit application blank, enclose check or money order for down payment, mail it.

2. Low Monthly Payments

Because monthly payments are specially low, you can actually enjoy having more modern, work-saving, time-saving equipment in your shop without straining your budget. At Wards you may have up to 18 months to pay—24 months on larger purchases.

3. Easy to Use "Add-On" Plan

Once your credit is established at Wards and your account is open, you can add purchases of $10 or more without an additional down payment, and often without increasing the amount you pay monthly. Just write "Add to my account" on your order, then sign the Add-on agreement on back of regular order blank.

Up To 24 Months To Pay On Orders Over $300. Wards offer special, longer repayment terms on purchases over $300—you may have as long as 24 months to pay. Write us for additional details.

TABLE OF MONTHLY PAYMENT TERMS

If Unpaid Balance Amounts to	We Will Add for Carrying Charge	Monthly Payment	If Unpaid Balance Amounts to	We Will Add for Carrying Charge	Monthly Payment
15.01— 17.50	1.75	$5.00	125.01—140.00	14.00	11.00
17.51— 20.00	2.00		140.01—150.00	15.00	
20.01— 23.00	2.30		150.01—160.00	16.00	12.00
23.01— 26.00	2.60		160.01—170.00	18.00	
26.01— 29.00	2.90		170.01—180.00	19.00	13.00
29.01— 32.00	3.20		180.01—190.00	20.00	14.00
32.01— 35.00	3.50		190.01—200.00	21.00	
35.01— 40.00	4.00		200.01—210.00	22.00	15.00
40.01— 45.00	4.50		210.01—220.00	23.00	
45.01— 50.00	5.00		220.01—230.00	24.00	16.00
50.01— 55.00	5.50	6.00	230.01—240.00	26.00	
55.01— 60.00	6.00		240.01—250.00	28.00	17.00
60.01— 65.00	6.50	7.00	250.01—260.00	30.00	
65.01— 70.00	7.00		260.01—270.00	32.00	
70.01— 75.00	7.50	8.00	270.01—280.00	33.00	18.00
75.01— 80.00	8.00		280.01—290.00	35.00	
80.01— 85.00	8.50		290.01—300.00	36.00	19.00
85.01— 90.00	9.00	9.00			
90.01— 95.00	9.50				
95.01—100.00	10.00				
100.01—110.00	11.00	10.00			
110.01—125.00	12.50				

Wards Policy On Prices. It is our policy to quote lower prices, wherever possible, than asked elsewhere for merchandise of comparable quality. This is made possible by the economies of our method of doing business. Should changed market conditions, or other factors affecting costs, permit price reductions, you can be assured that your orders will be filled at Wards lowest current price.

IMPORTANT ORDERING AND SHIPPING INFORMATION

Shipping Information. Unless otherwise specified, all items in this Catalog are shipped from Stock. You pay shipping charges from nearest Ward Mail Order House unless marked "Postpaid", "Prepaid" or will be shipped directly from Factory. On Mailable items except those marked "Postpaid" include amount for postage with order. Every cent in excess of charges is refunded.

How To Send Money. The safest and best ways to send money are: Postal Money Order, Express or Bank Money Order, Bank Draft, Cashier's Check or Personal Check.

About C.O.D. Orders. We do not accept orders for less than $5.00 to be sent C.O.D. except for repair parts. We do not accept C.O.D. orders at any time for articles cut, made-to-order or described as shipped direct from Factory. On C.O.D. orders we suggest that you order by prepaid telegram—GIVE complete information on item.

ESTIMATED FREIGHT RATES

Freight shipments of less than 100 lbs. take 100-lb. rate. The minimum is the rate for 100 lbs. of the highest rated article in the shipment, but not less than $3.00. On shipments over 100 lbs. charges are based on actual weight. Add Federal Transportation Tax of 3% to all freight charges.

Description of Item	100 Miles	200 Miles	300 Miles	500 Miles	750 Miles	1000 Miles	1500 Miles	2000 Miles
Grinders, Electric	$1.37	$1.81	$2.16	$2.79	$3.56	$4.16	$5.37	$6.58
Metal Working Tools	1.05	1.36	1.64	2.11	2.70	3.16	4.08	4.98
Motors, Electric	1.14	1.50	1.82	2.33	2.99	3.48	4.50	5.50
Welders, Gas	2.24	2.92	3.51	4.53	5.78	6.76	8.71	10.67
Welders, Electric	1.14	1.50	1.82	2.33	2.99	3.48	4.50	5.50
Woodworking Tools	1.05	1.36	1.64	2.11	2.70	3.16	4.08	4.98

ESTIMATED EXPRESS RATES

Express is the fastest way to ship non-mailable merchandise, especially bulky, fragile or odd shaped articles. Add 3% Transportation Fed. Tax.

Shipping Weight	100 Miles	200 Miles	300 Miles	400 Miles	500 Miles	750 Miles	1000 Miles	1500 Miles	2000 Miles
5 Pounds	$2.01	$2.01	$2.01	$2.01	$2.01	$2.01	$2.08	$2.22	$2.35
10 Pounds	2.01	2.01	2.08	2.18	2.24	2.37	2.51	2.77	3.04
15 Pounds	2.01	2.15	2.30	2.44	2.53	2.72	2.92	3.33	3.74
20 Pounds	2.12	2.33	2.52	2.70	2.82	3.08	3.35	3.90	4.43
25 Pounds	2.25	2.50	2.72	2.97	3.11	3.45	3.79	4.45	5.13
35 Pounds	2.49	2.83	3.16	3.50	3.69	4.16	4.63	5.57	6.52
55 Pounds	2.96	3.49	4.02	4.57	4.87	5.60	6.34	7.82	9.31
75 Pounds	3.44	4.16	4.90	5.62	6.02	7.03	8.05	10.06	12.08
100 Pounds	4.04	5.01	5.98	6.95	7.48	8.83	10.17	12.86	15.56

PARCEL POST RATES

Parcels not over 70 lbs. or more than 100 inches in length plus girth (around) at widest point may be mailed to all zones (with certain size and weight restrictions to 1st Class Postoffices).

ZONES	Local	1–2	3	4	5
Shipping Weight of Your Order	Within This City	Up To 150 Miles	151–300 Miles	301–600 Miles	601–1000 Miles
Up to 8 ounces	2c for the first 2 ounces and 1c for each additional ounce.				
9 oz. to 1 lb.	18c	23c	23c	24c	26c
1 lb. 1 oz. to 2 lbs.	20c	27c	29c	31c	36c
2 lbs. 1 oz. to 3 lbs.	21c	31c	34c	38c	45c
3 lbs. 1 oz. to 4 lbs.	23c	35c	39c	45c	54c
4 lbs. 1 oz. to 5 lbs.	24c	39c	44c	52c	63c
5 lbs. 1 oz. to 6 lbs.	26c	43c	49c	59c	73c
6 lbs. 1 oz. to 7 lbs.	27c	47c	54c	66c	82c
7 lbs. 1 oz. to 8 lbs.	29c	51c	60c	73c	91c
8 lbs. 1 oz. to 9 lbs.	30c	55c	65c	80c	$1.00
9 lbs. 1 oz. to 10 lbs.	32c	59c	70c	87c	1.10
10 lbs. 1 oz. to 11 lbs.	33c	63c	75c	93c	1.19
11 lbs. 1 oz. to 12 lbs.	34c	67c	80c	$1.00	1.28
12 lbs. 1 oz. to 13 lbs.	36c	71c	85c	1.07	1.37
13 lbs. 1 oz. to 14 lbs.	37c	75c	90c	1.14	1.47
14 lbs. 1 oz. to 15 lbs.	39c	79c	96c	1.21	1.56
20 lbs.	46c	99c	$1.21	1.56	2.02
30 lbs.	61c	$1.38	1.73	2.25	2.95
40 lbs.	75c	1.78	2.24	2.94	3.87
50 lbs.	90c	2.17	2.76	3.63	4.80
60 lbs.	$1.04	2.57	3.27	4.32	5.72
70 lbs.	1.19	2.96	3.79	5.01	6.65



Informative Books for Your Workshop Library

Set of 3 Books listed at left. For workshop.
53 WC 1196—Ship. wt. set 3 lbs..Set of 3 $5.00

[A] **How to Refinish Furniture.** Shows you how to accomplish 15 different finishes. Photographs supplement text, illustrate all processes involved. 144 pages. 10x7 in.
53 WC 1162—Ship. wt. 1 lb. $1.89

[B] **Build Your Own Modern Furniture** by Klaus Grabe. Over 20 beautiful, easy-to-build pieces. Chapters on materials, layout, finishing. Illustrated. 144 pages. 10x7 in.
53 WC 1194—Ship. wt. 1 lb. $1.89

[C] **Power Tool Projects You Can Make.** Projects include built-ins, wall desks, many others. Reveals professional tricks. Step-by-step photographs, material lists, cut-away drawings. Illus. 140 pages. 10x6 in.
53 WCP 1195—*Postpaid* $1.95

[D] **Furniture Making and Cabinet Work** by B. W. Pelton. Step-by-step directions for making all articles of furniture. Detailed plans, remodeling facts, planning, design, information about woodwork included. Illustrated. 596 pages. 9½x6 in.
53 WC 1167—Ship. wt. 3 lbs. 8 oz. $7.49

[E] **Power Tool Woodworking for Everyone** by R. J. DeChristoforo. Comprehensive guide covering operation of Shopsmith and all principal single purpose power tools. 450 photographs and drawings supplement text. About 343 pages. 7½x10 inches.
53 WCP 1103—*Postpaid* $4.95

For other "How-to-do-it Books" be sure to see Wards General Catalog

5 Pages of Accessories Start Here



All Accessories are PRECISION ENGINEERED for Top Performance

ITEMS WITH ASTERISK (*) FIT BOTH SHOPSMITH AND POWR-KRAFT TOOLS

1 TO 5 **9-In. Diam. Saw Blades.** Fit Shopsmith Mark 5 only. 1¼-in. arbor hole.

(1) Crosscut Blade. For fast cutting across grain.
84 WCP 3436—*Mailed Postpaid*.....$3.95

(2) All-Purpose Blade. Eliminates blade changing.
84 WCP 3434—Rips, crosscuts. *Postpaid*.....$3.95

(3) Rip Saw Blade. For fast ripping.
84 WCP 3437—*Mailed Postpaid*.....$3.95

(4) Combination Blade—Rip-crosscut-miter. Hollow ground—tapered to reduce friction. *Postpaid.*
84 WCP 3435—For fine work, mitering.....$6.95

(5) 8-Tooth Saw Blade. Rips, crosscuts cleanly.
84 WCP 3438—Needs less power. *Postpaid*..$3.45

6 **1¼-In. Saw Arbor.** For use with blades above.
84 WCP 3433—*Mailed Postpaid*.....$2.75

7 **Flexible Cut-Off Wheel.** Impregnated with abrasive—cuts all metals. ⅝-in. arbor hole.
84 WCP 3123—8 in. diam. *Postpaid*.....$3.95

8 **Rubber-Bonded Abrasive Wheel.** 5-in. diam., ¾ in. thick, ⅝-in. arbor hole. *Postpaid.*
84 WCP 3448—For sharpening tools $5.95

9 **Power Mount Coupling Kit.** Adapts Magna Jig Saw, Jointer, Sprayer, Belt Sander, Band Saw (Pgs. 46, 47) to fit Shopsmith Mark 5. *Postpaid.*
84 WCP 3462—With coupling, 4 hubs..Kit $4.95

10 **Power-Mount Adapter Kit for Shopsmith 10ER.** Adapts Magna Tools (1), (3), (16), (17), (18) on Pgs. 46, 47 to Model 10ER. Includes 2 adapters, special head stock pulley, mounting tubes.
84 WCP 3352—*Postpaid*....Complete Kit $12.95

11 **Key Switch and Outlet Box.** Has lock and key, extra outlet. Rubber 10-ft. cord, plug. For Shopsmith Mark 5 only.
84 WCP 3432—*Mailed Postpaid*.....$7.95

12 **Disc for Sanding*.** 12-in. diameter. ⅝-in. arbor. Precision machined, balanced.
84 WCP 2977—*Postpaid*.....Each $5.95

13 **Garnet Sandpaper Discs for (12).*** 12-in. diam. Durable paper backing. For wood sanding. *State grit—Fine, Medium, Coarse* or *Assorted.*
84 WCP 2978—*Postpaid*.....Package of 6 $2.45

14 **Liquid Adhesive.*** Pressure-sensitive adhesive for sandpaper discs. Brush applicator.
84 WCP 3149—8 fluid oz. *Mailed Postpaid*...$1.45

15 **Distic Adhesive.*** Makes application and replacement of sanding discs easy. Stick-type.
84 WCP 2980—Size 1⅞x5 in. *Postpaid*.....95c

16 **Magna-Lube.** Special grease for Shopsmith drive sleeve, spindle spline, quill rack teeth.
84 WCP 3101—2 fluid oz. *Mailed Postpaid*.....75c

17 **Safety Goggles.*** Permit wide vision, protect eyes from dust, grit. Will fit over glasses.
84 WCP 3446—*Mailed Postpaid*.....$2.95

Shopsmith Cover (not shown). Vinyl plastic. Protects Shopsmith from dirt and grime. Box-end design.
84 WCP 3464—*Mailed Postpaid*.....$7.95



18 19 **Face Plates*.** Cast iron. Use for turning bowls, lamp bases and other workpieces which cannot be supported between centers.
(18) 84 WCP 2982—3¾-in. diam. *Postpaid*...$2.45
(19) 84 WCP 2983—6-in. diam. *Postpaid*..... 3.95

20 **Adjustable Lamp Attachment.** Attaches easily to Jigsaw (1) on Page 46, or Shopsmith. Provides illumination directly on workpiece. Takes 60-watt bulb (not included). Handy on-off switch located at lamp base. Includes cord and plug.
84 WCP 3463—*Mailed Postpaid*.....$6.95

21 **Power Tool Woodworking for Everyone.*** By R. J. DeCristoforo. Describes, teaches use of power tools. 450 illustrations, 352 pages.
53 WCP 1103 X—*Mailed Postpaid*.....$4.95

22 **5-Pc. Auger Bit Set*.** Fits 5/64–½ in. chuck. Best type bits for power drilling in soft and hard woods—especially large diameter holes. Set includes 5 bits: ¼, ⅜, ½, ⅝, and ¾ in.
84 WCP 3107—*Mailed Postpaid*.....Set of 5 $8.45

23 **Tailstock Chuck Arbor*.** Holds Jacobs chuck in Lathe tailstock. No. 2 Morse Taper one end, ⅝-in. spindle with tapered flat other end.
84 WCP 3132—*Mailed Postpaid*.....$1.45

24 **Tailstock Live Cup Center*.** Ball bearing action. Mounted 60° tip turns with workpiece. Eliminates need for retightening because of "burning out." No. 2 Morse Taper shank.
84 WCP 3109—*Mailed Postpaid*.....$3.65

25 **Jointer-Cutter*.** For jointing stock up to 2½ inches thick; 2-in. diameter. Use with jointer and shaper fence ((5) on Page 48). Three, tool-steel cutter blades are removable for sharpening and adjustment. Fits on spindle—use in either horizontal or vertical position.
84 WCP 3453—*Mailed Postpaid*.....$9.95

26 **Arbors*.** Includes special keyed washer to prevent loosening. Never use any other arbor for mounting attachments on outboard spindle.
84 WCP 2998—For ½-in. bore ... *Postpaid* $2.75
84 WCP 2999—For ⅝-in. bore ... *Postpaid* 2.75

27 **Screw Center*.** Holds small workpieces for hollowing or facing operations. Screw is replaceable with any No. 14 wood screw.
84 WCP 2990—*Mailed Postpaid*.....$1.95

28 **Extra-Long Allen Wrenches.*** Specially made for Shopsmith. *State size. Postpaid.*
84 WCP 3142—⅛, 5/32, 3/16-in. sizes....Each 20c

29 30 **Table Inserts.** Sturdy cast-aluminum alloy. Fit Shopsmith Mark 5 only. *Mailed Postpaid.*
(29) 84 WCP 3442—No slot. (Drill Press).....$1.75
(30) 84 WCP 3441—½-in. saw slot..... 1.75
84 WCP 3440—Dado slot 1 3/16x7⅝ in..... 1.75
84 WCP 3351—Molding insert. Slot 1¼x4 in.. 1.75

31 **Lathe Chisel Set*.** Alloy steel. Special selection of chisels most commonly used by skilled wood turners. Will handle all standard lathe operations. Set includes: 1-inch skew; ¼-in. gouge; ¾-in. gouge; ½-in. round nose and ½-in. parting tool.
84 WCP 3131—*Postpaid*.....Set of 5 $9.95

32 TO 35 **Carbide-Tipped Turning Chisels*.** Razor-sharp. Precision ground. For free hand turning of soft metal, plastic, wood. *Postpaid.*
(32) 84 WCP 2087—⅛-in. round nose.....$4.45
(33) 84 WCP 2088—¼-in. round nose..... 4.45
(34) 84 WCP 2085—⅛-in. square nose..... 4.45
(35) 84 WCP 2086—¼-in. square nose..... 4.45

4-Piece Chisel Set*. One of each above.
84 WCP 2089—*Postpaid*.....Set of 4 $16.95

SATISFACTION GUARANTEED



[1] $58.50 $6 Down



[3] $58.50 $6 Down

Famous Magna Tools With

ATTACH QUICKLY, EASILY TO SHOPSMITH OR

18-in. Magna Jig Saw

- **Cuts to center of 36-in. panel; depth of cut 2 in.**
- **Arm pivots to below table for use as saber saw**

[1] **Magna Heavy-Duty Ball Bearing Model.** Adapts to Shopsmith Mark 5 with Coupling Kit (5) or use as single tool on bench or stand. Table size 11x11 in.—tilts to 45°. Utilizes Shopsmith Speed Dial to provide correct speed for cutting wood, plastic, metal, cardboard, etc. Drive mechanism runs smoothly in oil bath at speeds impossible with ordinary jig saws. Universal chucks rotate 90°.

Adjustable blade guides insure accurate cutting. Hold-down keeps work firmly on table, eliminates chatter. Quick blade tension adjusts for any blade—gives better operating control. Built-in blower. With 5-in. plain end blade.

84 WCP 3429 MB—*Mailed Postpaid.* $6 Down..Cash **$58.50**

Jig Saw With Base, Pulley and "V" Belt. $6.50 Down.

84 WCP 3396 YB—Order Stand below. *Postpaid.*Cash **$64.32**

[2] **Jig Saw File Set.** Fits Jig Saw (1). Includes triangular, round, square, half-round, pillar and crochet shapes.

84 WCP 3118—(See profiles above.) *Postpaid*.....Set **$5.95**

Ball Bearing Magna 4-in. Jointer

- **Width of cut 4-in.—depth-of-cut controlled by single knob, up to 3/8-in. cut**
- **28-in. table takes long stock—longest surface we know of in this price class**
- **Sealed ball bearing cutter head 2 1/4-in. diam.; 3 adjustable high-speed knives**

[3] **Magna Heavy-Duty Cast-Iron Model**—cuts vibration, assures smooth operation. Adapts to Shopsmith Mark 5 with coupling (5). Cutter head runs on oiled-for-life ball bearings. Adjustable infeed table, fixed outfeed table. Width of rabbeting arm 2 1/8 in. Rigid 1-pc. cast-iron fence, 3x21 3/4 in., tilts to 45° either way—with automatic stops. 2 holes drilled in fence permit attaching wood facings to handle extra wide or long stock. With safety guard that mounts at front or rear.

84 WCP 3449 MO—**Jointer only**. *Mailed Postpaid.* $6 Down, $6 Monthly.....or Cash **$58.50**

84 WCP 3397 YO—**Jointer With Base, Machine Pulley and Belt.** *Postpaid*..... **64.19**

84 WCP 3393—**Jointer Knife Set.** Fits Magna Jointer only. 3 steel blades. *Postpaid*.... **4.95**

[4] **Magna 5-Inch Jigsaw Blades.** Oil-hardened and tempered steel; plain ends. *Postpaid.*

Use For	Catalog Number	Thick., In.	Width, Inches	Teeth per in.	6 for
Composition..	84WCP3110	.012	.023	20	55c
Wood, rubber	84WCP3111	.010	.070	14	55c
Plastics, bone.	84WCP3112	.020	.070	7	55c
Wood, plastics	84WCP3113	.010	.040	18	55c
Alum., copper	84WCP3114	.020	.110	20	55c
Metals, wood.	84WCP3115	.020	.110	15	55c
Alum., copper	84WCP3116	.028	.250	20	55c
Presdwood...	84WCP3117	.028	.250	7	55c

[5] **Power Mount Coupling Kit for Shopsmith Mark 5.** Adapts Magna Jig Saw, Jointer, Sprayer, Belt Sander, and Band Saw on these two pages to fit Shopsmith Mark 5. See description on Page 50. Includes flexible coupling and 4 hubs. *Postpaid.*

84 WCP 3462—Complete Kit..**$4.95**



Accessories For Magna Single-Purpose Tools

STANDS, BLADES, PULLEYS, ETC., TO HANDLE EVERY JOB



[6] [7] **Magna Utility Stands.** Designed for mounting Magna twin tube power tools (Jig Saw, Jointer, Band Saw, Sprayer and Belt Sander) or can be used as utility stands. Enameled finish. Use with Casters (15).

(6) SINGLE STAND. For mounting one Magna Power Tool. 12 3/4x15 1/2x27 in. high.

84 WCP 3377 MB—*Postpaid*.....**$16.95**

(7) DOUBLE STAND. Uses only 1 motor to drive any two Magna Power Tools. 12 3/4x31 1/2x27 in. high.

84 WCP 3378 MB—*Postpaid*.....**$19.95**

Double Stand Complete with 1/2 HP Motor, Two 4-Step Motor Pulleys. Mounts any 2 Magna Tools.

84 WCP 3399 YO—*Postpaid.* $6 Down, $6 Mo.Cash**$58.69**

[8] **Jig-Lok Miter Gauge.** Fits Magna Sander (17), Band Saw (18). For compound sanding, cutting, etc.

84 WCP 3350—*Postpaid*.....**$7.95**

[9] **Band Saw Blades.** For Magna Band Saw (18). Endless type. *Ppd.*

84 WCP 3361—All-purpose, for wood, metals. 1/4x72 in. **$2.45**

84 WCP 3362—All-purpose, for heavy-duty cutting. 1/2x72 in... **2.45**

84 WCP 3363—Wood-cutting, for fine scroll work. 1/8x72 in..... **1.95**

84 WCP 3364—Wood-cutting, for 3/4-in. turns or larger. 1/4x72 in. **1.95**

84 WCP 3365—Wood-cutting, for wood stock to 4 in. thick. 3/8x72 in. **1.95**

[10] Cat. No.	Die Cast Pulleys (*Mailed Postpaid.*)	Bore Size, in.	For Magna	Price
84 WCP 3385	4-step (2, 3, 4, 5-in. diam.)	5/8	Motor (11)	$1.79
84 WCP 3384	3-step (2, 3, 4-in. diam.)	1/2	Jig Saw (1)	1.25
84 WCP 3359	Sgle. Groove 4 1/4-in. diam.	Spec.	Band Saw (18)	1.45
84 WCP 3382	Sgle. Groove 1 3/4-in. diam.	Spec.	Jointer (3)	95c
84 WCP 3389	Sgle. Groove 2 1/2-in. diam.	5/8	Sander (17)	65c

Rubber "V" Belts. "A" Section type—9/32 in. thick, 1/2 in. wide.

84 WCP 3386—1/2x45 in. For Sprayer (16) and Jointer (3).....**85c**

84 WCP 3387—1/2x53 in. For Jig Saw (1), Band Saw (18), Sander (17) **95c**

[11] **1/2-HP 1725 RPM Ball Bearing Capacitor Motor.** Use with (1), (3), (16), (17) and (18). Double 5/8-in. keyed shaft. 110–120-volt, 60-cycle AC. 10-ft. cord, plug. *Postpaid.*

83 WCP 4542 M—$4 Down..... Cash **$36.95**

[12] **Pulley Guard.** Fits all Magna Tools.

84 WCP 3380—*Postpaid*.....**$3.95**

[13] **Safety Switch.** Can be padlocked.

84 WCP 3381—One outlet. *Postpaid.***$4.45**

[14] **Mounting Base.** Use to mount Magna tools (1), (3), (16), (17) and (18) on Magna stands, or on any work bench. *Postpaid.*

84 WCP 3376—Heavy cast aluminum..**$3.95**

[15] **Casters.** Fit stands (6), (7) and (21).

84 WCP 3379—*Postpaid.* Set of two **$1.25**

Pay for your Magna Tools as you use them. Buy them now on Wards easy Terms, pay later. Only 10% Down. For complete details of Monthly Payments see Page 44.

GUARANTEED ONE YEAR

Wards guarantee Magna Power Tools and accessories on these two pages to be free from defects in workmanship or materials, and will replace any defective parts within one year from the date of purchase.



16 **$49.95**
$5 Down



17 **$59.50**
$6 Down



18 **$79.95**
$8 Down

Exclusive Twin-Tube Mounting

MOUNT ON STANDS AS SINGLE-PURPOSE TOOLS

Magna Paint Sprayer

- **External, internal mix spray heads**
- **Delivers 2.4 cu. ft. air at 30 lbs.**
- **Sealed, oiled-for-life ball bearings**

16 Diaphragm compressor. Adapts to Shopsmith Mark 5 with Kit (5) on opposite page or use as single tool. Enables you to do entire job from building to painting with your Shopsmith. Displaces 4.0 cubic ft. of oil-free air. We know of no other sprayer with same capacity and quality features in this price-class.

Dual-purpose bleeder gun ideal for use on portable spray equipment, fully adjustable fluid control. External, internal mix spray heads. For either pressure feed or syphon feed—adjustable for light or heavy materials.

One 5-ft., one 10-ft. hose with coupling that permits insertion of up to 100 ft. of garden hose. Includes compressor, gun, 1-qt. cup, air nozzle, tire inflator. Pulley on flywheel.

84WCP3472MB–*Postpaid.* $5 Dn.,Cash **$49.95**

Sprayer With Base and "V" Belt. $5.50 Dn.
84 WCP 3398 YB—*Postpaid*.....Cash **$54.69**

Magna 6-in. Belt Sander

- **Single knob auto-tension belt control**
- **Sealed ball bearing drive, 3-in. drums**

17 Adapts to Shopsmith Mark 5 with Kit (5) on opposite page. Operates in any position from horizontal to vertical.

Large 6x9-in. table with miter gauge slot, tilts either direction—can be used as table, stop or fence. Frame assembly smaller than idler drum, permits flat or radius sanding of any width stock. Dust scoop has outlet for attaching vacuum cleaner hose.

Auxiliary shaft for drum or disc sander, wire brush, etc. 6x48-in. medium grit sanding belt. *Postpaid.*

84 WCP 3474 MB—Only $6Down.Cash **$59.50**

Combination Sander With Base, pulley, belt. $6.50 Down on Monthly Payment Plan.
84 WCP 3395 YB—*Postpaid*.....Cash **$64.93**

Sanding Belts for above. 6x48 in. *Postpaid.*
State Grit: Fine, Medium, Coarse.
84 WCP 3388.....Each **$1.75**

Magna Band Saw

- **Blade guides adjustable to crosscut any length**
- **Large 11¾x12-in. table tilts to 45° right—5° left**
- **Sealed, oiled-for-life ball and needle bearings**

18 Heavy-duty 11-in. capacity saw cuts stock up to 6 in. thick. Adapts to Shopsmith Mark 5 with Coupling Kit (5) or use as single tool on bench or stand. Blade guides adjustable to offset blade—permits crosscutting any length stock without throat interference. Automatic blade tracking.

Adjustable guides—single-knob control elevates and locks guide. Built-in table tilt scale, adjustable tilt indicator for maximum accuracy . . . auto stops at 0°. Table insert keyed—can't turn, avoids blade damage. Table slots take Miter Gauge not included—see item (8) on Page (46). Calibrated for instant, accurate blade tensioning.

High-impact polystyrene cover is tough, light in weight—gives extremely quiet operation. With ¼x72-in. blade.
84 WCP 3357 MO—*Postpaid.* $8 Dn. $8 per Mo..Cash **$79.95**

Combination Band Saw with Base, 4¼-in. pulley, "V" belt.
84 WCP 3360 YO—½x53-in. belt. *Postpaid*.....**$86.24**

Doubles Your Working Area

EXCLUSIVE TABLE EXTENSIONS INCLUDED AT NO EXTRA COST

Magna 9-In. Tilting Arbor Bench Saw

- **Table extension gives extra-large 24 by 34-inch table working area**
- **Single knob control raises, lowers and locks blades rigidly in place**
- **Exclusive gear mechanism allows full range of blade tilt with less turns**
- **Husky self-squaring rip fence . . . single knob locks both front and rear**

19 **Advanced Design Magna 9-In. Bench Saw**—achieves new stability, precision accuracy. Greater table area, heavy cast-iron carriage. Single knob adjusts both blade projection, blade tilt.

Exclusive gear mechanism allows 45° blade tilt with less turns. Adjustable auto stops. Large, self squaring rip fence 2¼x30 in. Main table area 16x24 in. One knob locks fence settings. Miter gauge with adjustable auto stops at 3 positions. Fence rails, included, may be attached to either side of main table—or may be centered to extend on both sides of main table. Performs such operations as dado cutting, compound miter cutting, molding cutting.

Effective table working area with extension 24x34 in. Max. depth of cut 2¾ in. Max. depth of cut at 45°, 1⅞ in. Table area in front of blade, 13¼ in. Arbor diam. ⅝ in. Sealed ball bearings. Twin "V" type machine pulleys. *Ppd.* $12 Dn.
84 WCP 3493 R—Saw only. Cash **$119.95**

Double Match. "V" Belts, Motor Pulley Kit.
84 WCP 3489—For (19) above. *Ppd.*$2.95

Magna ¾-HP Motor. Ball bearing capacitor type. 3450 RPM. For 110–120 volt, 60 cycle AC. 10-ft. cord, plug. *Postpaid.*
83WCP4544 M—$4.50 Down. Cash **$44.95**

Complete 9-In. Bench Saw Outfit. Inc. saw, motor, "V" belts, motor pulley. *Ppd.*
84 WCP 3499R—$17 Down..Cash **$167.85**



20

19 **$119.95**
$12 Down

21

Accessories . . . Adapter Kit

20 21 **Accessories for Magna 9-In. Bench Saw.** *Postpaid.*
(20) 84 WCP 3494—Saw Guard..... **$10.95**
(21) 84WCP3492MB–Saw Stand. 19x22x24 in. high. **16.95**
84 WCP 3390 M—Peg Board Panel fits stand (21). **4.95**
84 WCP 3495—Dado Insert..... **1.95**
84 WCP 3496—Molding Insert..... **1.95**

Saw-Jointer Adapter Kit. Adapts Saw (19) and Jointer (3) (not included) to Stand (21)—both units run by same motor. Includes: Stand Extension, Base (14), jointer belt, pulley; stand-extensions, motor guard.
84 WCP 3498M–*Ppd.* **$14.95**

Saw-Jointer Set

22 **Combination Magna 9-In. Bench Saw and Jointer.** Includes Saw (19), Jointer (3), Stand (21), Adapter Kit 84 WCP 3498M at left, Magna ¾ HP motor—under (19)—and Motor Pulley Kit 84 WCP 3489. $26.50 Down. *Prepaid.*
84 WCP 3490 R...$262.20



22

Complete Satisfaction Guaranteed or your money back. Details of Guarantee at left.

Buy Now, Pay Later. Monthly Terms, Page 44

Magna Accessories Do Jobs Faster and Easier

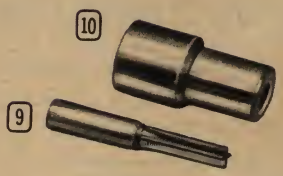












Mortising Accessories*

1 TO 4 Eliminate tedious hand work. Fit Shopsmith or Powr-Kraft Drill Press , Pg. 9.

(1) **Mortising Bits.*** Tempered steel. Use with mortising chisels below. *Mailed Postpaid.*
84 WCP 3135—*State* ¼, 5/16, ⅜, ½-in. Ea. **$2.95**

(2) **Mortising Chisels.*** Use with bits above for cutting square holes for mortise and tenon joints. Tempered steel. *State* ¼, 5/16, ⅜, ½-in. size.
84 WCP 3134—*Mailed Postpaid*.....Each **$4.45**

(3) **Mortising Attachment.*** Guides chisel and bit for cutting accurate square holes. Use on horizontal drill or vertical drill press. Rugged, machined cast-iron.
84 WCP 3450—Steel sleeve. *Postpaid*.....**$4.45**

(4) **Mortising Hold-Down.*** Adjusts for varying thicknesses. Prevents lifting of work piece when chisel and bit are withdrawn. Holds work to table securely. Adaptable as jig.
84 WCP 3451—Cast-iron. *Postpaid*.....**$3.45**

Shaping Accessories

5 TO 8 **Table Insert** (6) fits Shopsmith Mark 5 only. Others fit Shopsmith or Powr-Kraft Drill Press on Page 9. *Postpaid.*

(5) **Shaper Adapter Assembly.*** Use for mounting of 3-lip shaper cutters with ½-in. bore.
84 WCP 3460—*Mailed Postpaid*.....**$1.75**

(6) **Table Insert.** Cast aluminum. For shaping curved work against collars. *Postpaid.*
84 WCP 3443—Removable fulcrum pins...**$2.45**

(7) **Shaper Fence.*** Controls depth of cut for shaping straight-edged boards. Locks to table. Infeed and outfeed fences adjust for depth of cut. Infeed fence screw adjustment indicates 1/64ths.
84 WCP 3425—*Mailed Postpaid*.....**$13.95**

(8) **Shaper Collars.*** For controlled depth of cut on curved surfaces. Fit ½-in. shaper adapter. Set of four—25/32 to 1½ in. outside diam.
84 WCP 3139—*Mailed Postpaid*.....Set **$2.25**

Routing Accessories*

9 10 Add to versatility of your Shopsmith or Powr-Kraft Drill Press, Pg. 9. Cut round end mortise, edge grooves in short or long stock, grooves in curved segments (with use of template to guide cut). For routing grooves in circular work, use miter gauge as pivot. Also use pivot arrangement to form edge grooves in circular pieces. For pattern routing, pattern on plywood or hardboard is attached to underside of work with short flathead wood screws. Or screws may be put into pattern so they stick up just enough to provide points onto which work may be pressed and held securely while routing.

(9) **Router Bits.*** ½-in. diam. shanks. Use with router chuck for routing, dadoing, grooving, etc. *State* ¼, 5/16, ⅜ or ½-in. *cutting size.*
84 WCP 3136—*Mailed Postpaid*.....Each **$2.45**

(10) **Router Chuck.*** For routing, other operations involving added side thrust. ½-in. diam. shanks.
84 WCP 3457—*Mailed Postpaid*.....**$2.45**







Universal Hold-Down*

11 Mounts on miter gauge, rip fence or shaper fence. Holds work securely against fence and table, thereby keeping hands out of danger zone. Prevents chatter by holding work firmly when shaping, routing, sawing, molding etc. Holds odd shaped pieces firmly for cutting. Long mounting bars allow maximum adjustment in thickness and width of work. Special clamp included permits mounting on any side of Shopsmith table in horizontal or vertical position. Fits Shopsmith or Powr-Kraft Drill Press on Pg. 9.
84 WCP 3426—*Mailed Postpaid*.....**$11.95**

Miter Gauge Pistol Grip*

12 Gives safer, more accurate control of workpiece. Simply grasp pistol grip firmly and it clamps your workpiece securely against table and miter gauge. Pressure grip counteracts tendency of saw blade to pull work, thereby assuring accurate miter cut. Equally useful for bevel sanding for positive control of work. Pistol grip fits former Shopsmith 10 ER if used on Miter Gauge 84 WCP 2995 (16) below. Also will fit Shopsmith Mark 5 or Powr-Kraft Bench Saws (A) on Page 2 and (1) on Page 4.
84 WCP 3444—*Mailed Postpaid*.....**$9.95**

Table Extension and Stop Rods

13 **Front Table Extension.** Attaches anywhere on front of saw table with single twist of knob. Increases working area in front of saw blade to 14 in. Gives added support to extra-wide workpieces. Fits Shopsmith only.
84 WCP 3439—*Mailed Postpaid*.....**$4.95**

14 **Miter Gauge Stop Rods.*** Use with miter gauge as a jig for crosscutting workpieces to same length. Adjustable 0 to 18 in. Fits Shopsmith or any Powr-Kraft Bench Saw on Pages 2, 4, 5.
84 WCP 2988—*Mailed Postpaid*.....**$1.65**



Miter Gauge Extension*

15 Top-grade hardwood extension, sealed against moisture. Provides extra-large miter gauge face—increases support for all crosscutting operations. Miter gauge has slots for mounting extensions (miter gauge not included.). Also use as guide to determine line of cut. Apply sandpaper to extension with rubber cement to provide high-friction surface. Fits Shopsmith or any Powr-Kraft Bench Saw on Pages 2, 4 and 5.
84 WCP 3461—Size: 9/16x27/8x12 in. *Postpaid*.....**$1.45**

Miter Gauge

16 Fits former Shopsmith Model 10ER only. Automatic stops at 45°, 90° and 45° for most used angles. Taper lock set screw in bar locks gauge in any position. Can be used with Pistol grip 84 WCP 3444 pictured (12) above. Nylon inserts.
84 WCP 2995—*Mailed Postpaid*.....**$6.95**

An order of $20 or more will get you the Accessories you need now. See Page 44 for complete Credit details.

—Fit Shopsmith and *POWR-KRAFT* Tools*





Drum Sanding Accessories*

17 TO 19 For surface sanding of narrow boards, contour sanding, sanding rabbets to width. Fits Shopsmith or Powr-Kraft Lathe on Page 8 or Drill Press on Page 9.

(17) **Sanding Drum.*** Excellent for fast contour sanding—use in vertical or horizontal position—and on inboard or outboard spindles of Shopsmith. When doing edge sanding that can be rested on a flat surface, it is best to use machine in vertical position. Use also with Shaper Fence (7) on opposite page. Expanding rubber type drum holds sleeves firmly. 3 in. wide, 2 5/16-in. diam. With one medium grit sanding sleeve.
84 WCP 2975—*Mailed Postpaid*.....**$3.95**

(18) **Sanding Sleeves*.** Fits (17) above. *State: Fine, Medium, Coarse, Assorted.*
84 WCP 3133—*Postpaid*.....Pkg. of 6 for **$1.45**

(19) **Lambswool Polishing Bonnet.*** Fits (17).
84 WCP 3129—*Mailed Postpaid*.....**$1.75**





Molding Cutter Head*

20 **Converts your Shopsmith or Powr-Kraft** Bench Saws on Pages 2, 4, 5 into shaper, jointer or planer. Make your own moldings, building trim, tongue-and-groove flooring—you can produce and shape an infinite number of designs. Complete assortment of molding cutter knives are illustrated (A) to (GG) directly below (order separately). Cuts can be made to overlap, to just meet or to be separated by uncut wood. In addition to cutting full profile shapes, knives can be used for partial cuts or in combination to produce original molding designs.

Positive-grip safety lock assures accurate alignment of knives; knives are easily replaced. Well-balanced aluminum alloy, heat-treated cutter head is 3 5/8-in. diameter by 7/8 in. wide—holds set of three knives (all of one shape). Molding head can be secured directly to the spindle or can be mounted on any 5/8-in. diam. arbor. Use table insert (22) with Shopsmith.
84 WCP 3103—*Mailed Postpaid*.....**$5.95**



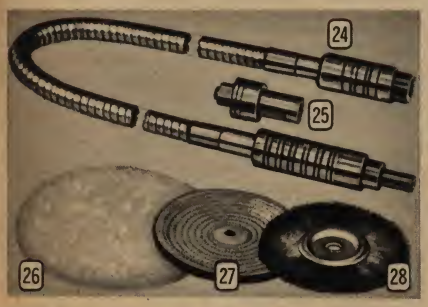


Dadoing Accessories

21 **Magna Dado Assembly.*** 8-in. diam. geared precision model. Wobble-type. Quick adjustment. Gear synchronized one-piece unit for grooving, dadoing, notching, cross cutting, ripping. Cuts grooves 5/32 to 7/8 in. wide. Blade 1/8 in. thick. Cuts to 2 in. deep. Fits Shop-smith or Powr-Kraft Bench Saws on Pgs. 2, 4, 5. *Pstpd.*
84 WCP 3300—Fits 5/8 or 3/4-in. arbors....**$15.95**

22 **Table Insert.** Cast alum. Takes 1-in. Dado.
84 WCP 3440—*Mailed Postpaid*.....**$1.75**

23 **6-In. Dado Head.*** Use for dadoing, grooving, rabbeting, tenoning, etc. Maximum width of cut 13/16 in. Cut adjusts by changing number and thickness of chippers between blades. Includes two outside blades and four chippers. Use with 5/8-in. arbor (see (25), below left) and with table insert (22) above. Fits Shopsmith or Powr-Kraft Bench Saws on Pages 2, 4 and 5.
84 WCP 3126—*Mailed Postpaid*.....**$15.95**



Flexible Shaft Needs

24 TO 28 For sanding, buffing, polishing, etc. Fit Shopsmith or Powr-Kraft Lathe pictured on Page. 8. Flexible shaft brings the power of your tool right to the job.

(24) Flexible Shaft. Fits 5/8-in. spindle or use with (25). 3/8-in. core, 50 in. long. All steel—complete ball bearing construction.
84 WCP 3140—*Mailed Postpaid*.....**$16.95**

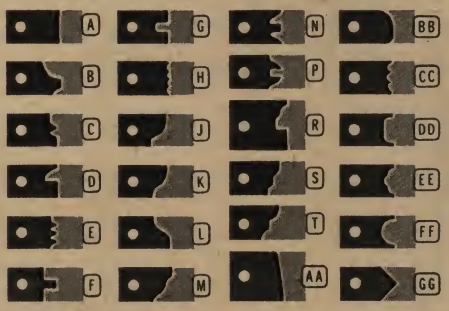
(25) Arbor Assembly.* Fits flex. shaft or spindle. Holds grinding wheels, etc. *Postpaid.*
84WCP2998–Takes 1/2-in. bore accessories **$2.75**
84WCP2999–Takes 5/8-in. bore accessories **2.75**

(26) Lambswool Pad.* Fits 6-in. face plate.
84 WCP 3128—*Mailed Postpaid*.....**$1.75**

(27) Cloth Buffing Wheel.* Fits 1/2-in. arbor.
84 WCP 3127—6-in. diam. *Postpaid*.....**95c**

(28) Wire Brush Wheels.* For removing paint, rust, etc. 6-in. diameter. Use with 1/2-in. arbor.
84WCP3124–Fine Wire. 1/2-in. bore. *Ppd*...**$1.95**
84WCP3125–Coarse Wire. 1/2-in. bore. *Ppd.* **1.95**

Blades and Dado Heads on Pages 14 and 15.



Molding Cutter Head Knives*

Details Pg. 14, (A) to (GG). Fit (20) above, Shopsmith or Powr-Kraft Bench Saws, Pgs. 2, 4, 5.
84WCP3104—*State Cat. No., Letter. Postpaid.*

(A)	Blank Square Knives	Set $3.75
(B)	1/4, 1/2, Quarter Round	Set 3.75
(C)	Glue Joint, 1/2 in. and up	Set 3.75
(D)	Cabinet Door Lip 3/8 in.	Set 4.95
(E)	V Flute Molding	Set 3.75
(F)	Groove	Set 3.75
(G)	Tongue	Set 3.75
(H)	4-Bead Molding	Set 3.75
(J)	O.G. Molding	Set 3.75
(K)	O.G. Molding	Set 3.75
(L)	O.G. Molding	Set 3.75
(M)	Reverse O.G.	Set 3.75
(N)	Panel Insert	Set 4.95
(P)	Panel Insert Cope	Set 4.95
(R)	1 3/8-in. Sash	Set 4.95
(S)	1 3/8-in. Sash Cope	Set 4.95
(T)	Bead, Cove Molding	Set 3.75
(AA)	Panel Raiser	Set 4.95
(BB)	1/4 and 1/2 Cove	Set 3.75
(CC)	3 Bead	Set 3.75
(DD)	Screen Molding	Set 3.75
(EE)	Screen Molding	Set 3.75
(FF)	3/4-in. Half Round	Set 3.75
(GG)	45° Vee	Set 3.75



Saw Blade Guard*

29 Use saw guard wherever possible to keep hands at safe distance from blade. Single unit covers both upper and lower portions of saw blade and moves easily to permit passage of stock with no limitation on Shopsmith versatility. Upper guard adjusts automatically to thickness of stock. Lower guard channels sawdust away from operator—a cloth bag may be attached to chute for this purpose. Splitter keeps kerf from closing and binding saw blade. Metal anti-kickback fingers grip stock firmly—prevents blade from throwing work back at operator.
84 WCP 3445—*Mailed Postpaid*.....**$14.95**

* IMPORTANT NOTICE

Accessories on these two pages marked with an asterisk (*) will fit Shopsmith or *POWR-KRAFT* stationary tools (listed on Pages 2 to 9). Accessories without asterisk will fit Shopsmith only. See other Shopsmith accessories and Magna tools listed on Pages 45, 46 and 47.

Shopsmith—Only Tool That Lets You Complete the Job



Speed Dial Control



Exclusive Power Mount



Depth Control Dial



Built-In ¾-HP Motor



Full-Range Extension Table

Combines 5 Basic Woodworking Tools Into 1 Unit

- **Does the work of 5 power tools: bench saw; sander; lathe; vertical drill press and horizontal drill**
- **Compactly built—no parts duplication—takes only 19x71-in. floor space; makes any room a workshop**
- **Speed dial control gives accurate, infinitely variable speeds—no guess work, ends all belt changing**
- **Power Mount allows use of Magna Band Saw, Jig Saw, Sander, Jointer and Paint Sprayer attachments**
- **Shipped complete, ready to plug in just a few minutes after delivery—only $10 Down, $16.00 Monthly**

(A) **Shopsmith Mark 5** incorporates time and labor-saving features never before found in any power tool. Shopsmith principle combines bench saw, disc sander, lathe, vertical drill press and horizontal drill into one compact unit with no duplication of major assemblies. Shopsmith uses one spindle, one table, one motor and one frame. Ball bearing spindle is induction hardened, lubricated for life; tip is machined to tolerance of .0002-in. fit and to maximum runout of .001.

Built-in ¾-HP 110–120 volt 60 cycle AC ball bearing capacitor motor has adequate power for every operation. Aluminum alloy table, 14x18⅜ in.; integral milled fence bar assures alignment. Rugged frame provides sturdy bench for all operations—upper steel tubes are satin hard-chrome plated to resist rust.

Shopsmith Mark 5 makes any room a workshop. Requires only 19x71-in. floor space. Rugged construction, versatility, extra capacity makes Shopsmith an efficient all-purpose power tool for farm or home workshop and repair shops.

Engineered for maximum safety. Belts, pulleys and motor are fully enclosed. Safety switch cannot be accidentally turned on but can be flicked off instantly. All operating handles are clearly marked—operator can devote full attention to cutting tool and workpiece. Delivered complete—no motor to attach, no bench to build. Just attach bench ends and plug it in—minutes after delivery.



Free Catalog

Describes, pictures revolutionary Shopsmith Mark 5 and its many uses in full detail—20 illustrated pages. Write nearest Ward Mail Order House for your free copy today.

Check These Features . . .

Speed Dial Control. Select spindle speed by turning dial to operation desired. Dial indicates correct settings for sawing, jointing, routing, dadoing, disc sanding, etc. Gives infinite speed range from 700 to 5200 RPM.

Power Mount. 2 rear spindles plus twin-tube mounting holes in headrest permit quick, easy mounting of Magna Line Power tools: jointer, jig saw, band saw, sander and paint sprayer. Allows dual operations such as circular sawing and jointing; jig sawing—disc sanding.

Depth Control Dial. Turn depth dial to setting required and lock; it's ready to operate. No rods, etc., to adjust.

Built-in ¾ HP Motor. Heavy-duty capacitor type. Ball bearings, built-in fan. For 110–120-volt 60 cycle AC.

Full-Range Extension Table. Adjustable through full height range. Twin-tube mount fits either end of Shopsmith. Can be used as auxiliary disc sanding table.

Easy-Grip Handles. Designed for comfortable non-slip grip. Each clearly marked to identify its function.

Table Height Control. Rack and pinion in carriage control height of table accurately. Quick-release lever raises, lowers table—engages with simple turn.

Miter Gauge. Auto-stops at 45°, 90°, and 45°. Taper-lock set screw locks in any position in miter gauge slots.

Dual-Lock Rip Fence. 1-knob control squares, locks front and rear of fence. Depth of cut scale on both sides.

Does Job of These 5 Tools . . .

As a 9-In. Circular Saw (see opposite page). Extra-large capacity—maximum depth of cut 2½ in.; 2⅜ in. at 45°. Full 48 in. between blade and rip fence. Calibrated trunnion on table has automatic stops at common angles for precise bevel cuts. Perfect for crosscutting, ripping, dadoing, mitering, beveling, compound cuts and other operations. With special 1¼-in. diam. saw arbor.

As a 16½-in. Vertical Drill Press (see opposite page). Capacity is equal to large industrial drills. Drills to center of 16½-in. circle—26 in. between chuck and table; as floor press, has 58 in. between chuck and floor. 4¼-in. feed.

As a 12-In. Disc Sander (see opposite page). Does plain, compound, beveled sanding. 113-sq. in. sanding area. Dial depth control on spindle quill feed permits accurate hairline control.

As a Horizontal Drill (see opposite page). Capacity is unlimited—you can drill into any board that will fit into the workshop. Adjustable table height makes dowel drilling easy, accurate.

As a 34-In. Lathe (see opposite page). 16½-in. swing over ways. Maximum distance between centers, 34 in. Cup center eccentric mount permits controlled offset for turning tapers.

SHOPSMITH IS GUARANTEED against defects in parts or workmanship. Should any failure occur, Wards will repair or replace any defective parts within 1 year from date of purchase.

SHOPSMITH POWER WORKSHOP INCLUDES: Motor; bench ends and bench tubes; table extension; 9-in. all-purpose saw blade (with special 1¼-in. diam. arbor); 12-in. sanding disc and sanding sheet; drive and cup centers; tool rest; rip fence; miter gauge; ½-in. Jacobs keyed chuck; owners' guide, instructions. Shipped *Prepaid* promptly from Factories in Ft. Wayne, Indiana or near Oakland, California, or from Stock in Baltimore, Albany, St. Paul, Kansas City, Denver or Ft. Worth. Order from Ward Mail Order House nearest you.

84 WCP 3469 F—Special Low Terms: $10 Down, $16.00 per Month.....or Cash **$329.50**

(B) **Retractable Casters.** Makes Shopsmith mobile to any room. Touch of foot raises it ready to roll or lowers it.
84 WCP 3431M—Installs on Shopsmith bench ends quickly, easily. *Postpaid.* Set includes 2 pairs..Set **$14.95**

See Complete Listing of Shopsmith Attachments and Accessories on Pages 45 through 49.



Easy-Grip Handles



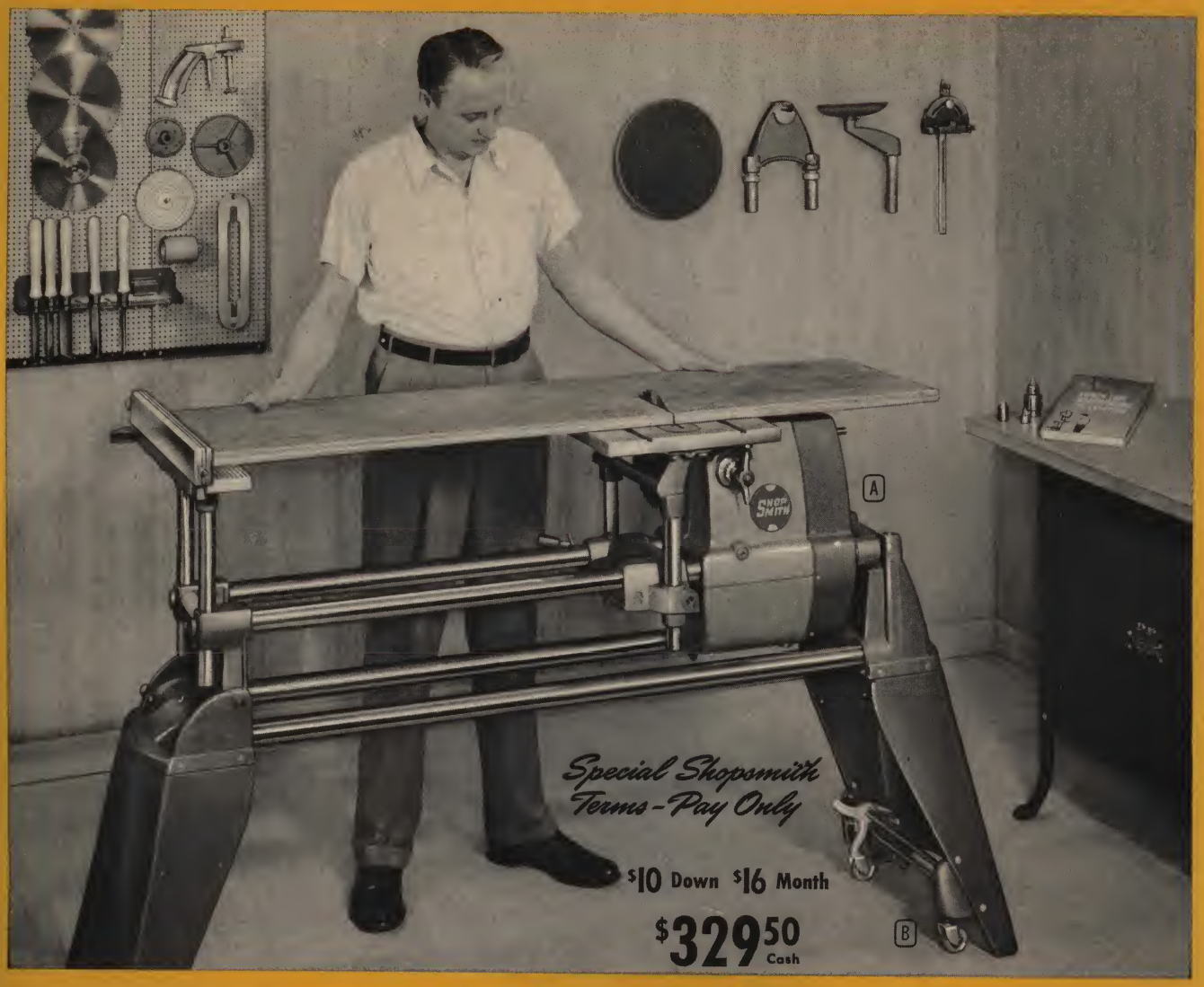
Table Height Control



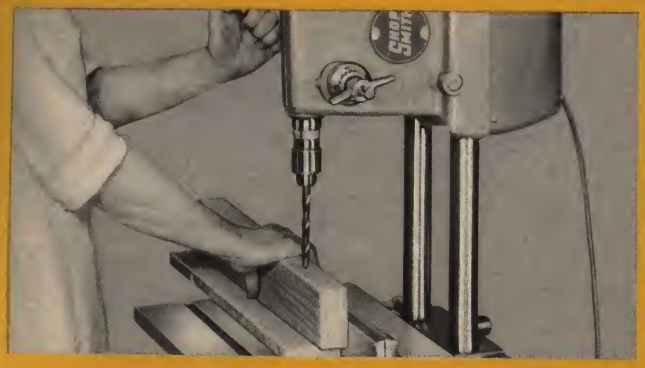
Auto-Stop Miter Gauge



Dual-Lock Rip Fence



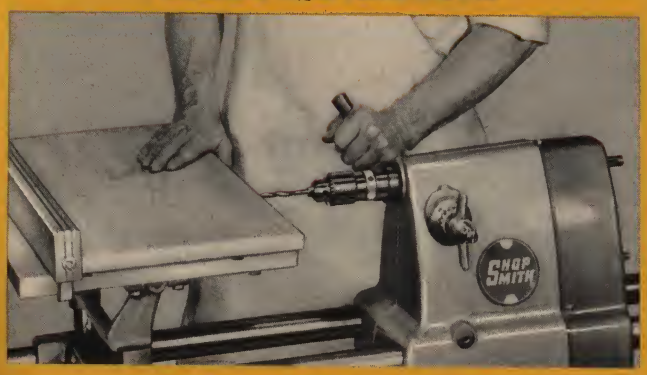
Shopsmith as Big Capacity 9-in. Circular Saw



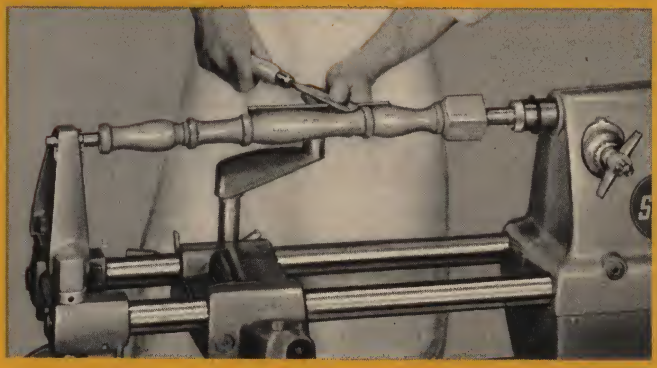
Shopsmith as 16½-in. Vertical Drill Press



Shopsmith as 12-in. Disc Sander



Shopsmith as Horizontal Drill



Shopsmith as 16½x34-in. Wood Lathe

NEW! *One Tool that Will do 90% of your Woodworking Jobs*



$44.95
Complete With Motor
$4.50 DOWN

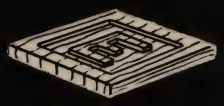

Decorative Cuts


Scroll Inside & Out


Tongue and Groove


Flush Drawer Dovetail


Mortise and Tenon


Relief Routing


Hinge Mortising


Table Leg Dovetail

POWR-KRAFT Power Router . . . Finest at Any Price!

Use One Motor for 3 Tools. Save $78.00. Utilize motor of Powr-Kraft Router as power unit for planer and portable shaper. Interchangeable attachments listed under (R) and (T) below attach quickly to motor. See how you save:

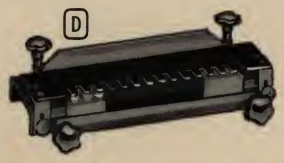
Three Tools each with motors	**$207.85**
Router (A) plus 2 attachments	**129.85**
You save at Wards	**78.00**

(A) New Precision Built ¾-HP Model has 50% more power and greater versatility than comparable routers. It's faster, has bigger capacity—actually performs up to 90% of usual woodworking operations. And it's more than just a router—converts quickly to planer and shaper (see details at left). Makes cuts shown above plus beading, inlaying, fluting, rounding over, etc. High speed motor runs at 22,000 RPM, makes exceptionally smooth cuts with or against the grain. Quick micrometer depth of cut adjustment—1/16-in. for full turn of motor housing. With chuck and wrench. Use with bits (E) to (N) below. UL Appr. Wt. 8 lbs.
84 WC 8569—$4.50 Down.....Cash **$44.95**

Router Attachment only. Without motor.
84 WC 8568—Fits (R) or (T). Wt. 2 lbs..**$7.95**

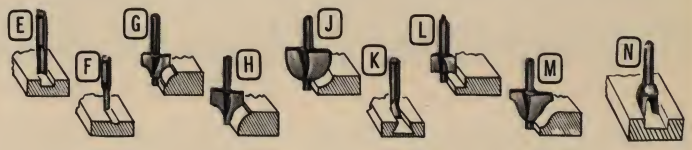


(B) Straight, Circular Gauge with Vernier. Keeps accurate distance between material, bit. Wt. 1½ lb.
84 WC 8595....**$3.95**



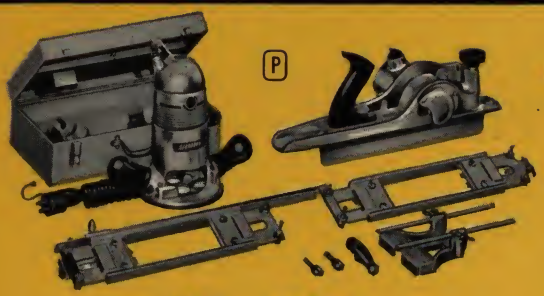
(C) Router Sub-Base. Hard, smooth nonmetallic surface that prevents wear, protects work. Wt. 3 oz.
84 WC 8573....**$2.49**

(D) Dovetail Attachment. For (A). Takes stock to 1x12-in. With templet, bit, guide, sub-base. Wt. 10 lbs.
84 WC 8584...**$37.95**



(E) TO (N) Bits for (A). High-speed steel. ¼-in. shank. Wt. 2 oz. each.

(E) 84WC8585	¼-in. Straight	$1.59	(J) 84WC8589	⅜-in. Cove	$5.95
	⅜-in. Straight	2.19	(K) 84WC8590	9/16-in. Dovetail	4.50
(F) 84WC8586	⅛-in. Veining	1.59	(L) 84WC8591	15/16-in. Rabbeting	6.25
(G) 84WC8587	½-in. Beading	5.49	(M) 84WC8592	½-in. Rom. Ogee	5.75
(H) 84WC8588	⅜-in. Round Over	5.49	(N) 84WC8598	½-in. Mortising	2.50



139.95 **$14 Down**



39.95
$4 Down
Less Motor



44.95
$4.50 Down
Less Motor

(P) *POWR-KRAFT* Builder's Kit. Complete professional outfit for hanging doors, other routing and planing work. More than pays for itself in the time it saves. Specially designed lightweight, all metal templet for hinge mortising. Templet adjusts to mortise 2 or 3 hinges on wooden doors, jambs. Handles 1⅜ to 2-in. thick doors; guides router for cuts of uniform size and depth. Motor quickly interchanged for router or planer attachments. Kit includes: ¾-HP, 110–120v, UL Approved AC-DC motor; router attachment; 16-in. planer attachment; door and jamb butt templet, templet guide; arbor; 2 mortising bits; straight, circular guide; router sub-base, carrying case. *Mailable.*
84 WC 8570 MB—Complete Kit. Wt. 38 lbs. $14 Dn., Cash **$139.95**

(R) *POWR-KRAFT* 16-in. Power Planer. Large capacity—for planing dressed lumber, fitting doors (see 1 above), storm windows, screens, etc. Leaves smooth waveless surface. Threaded motor housing affords micrometer depth adjustments. Unique design forces chips away from cutter. Tilts for angle planing. ¾-HP UL Appr. motor, plane arbor, 2 1/16-in. blade, wrench. Ship. wt. 10 lbs.
84 WC 8567—$8.50 Down.....Cash **$82.95**

Planer Attachment. (Without motor.) Wt. 4 lbs.
84 WC 8566—Fits tools (A) or (T)....Cash **$39.95**

(T) *POWR-KRAFT* Power Shaper. High speed assures smooth cuts. Mounts in any table. ¾-HP motor tilts to 45°, for many different shape cuts with same cutter. Easily mounts on table. With 5/16-in. arbor, fence, guard. Use with 5/16-in. shaper cutters. UL Appr. Wt. 16 lbs.
84 WC 8572—$8 Down, Cash **$79.95**

Shaper Attachment. Fits (A) or (R).
84 WC 8571–Wt. 11 lbs. Cash **$44.95**

NEW! *One Tool that Will do 90% of your Woodworking Jobs*

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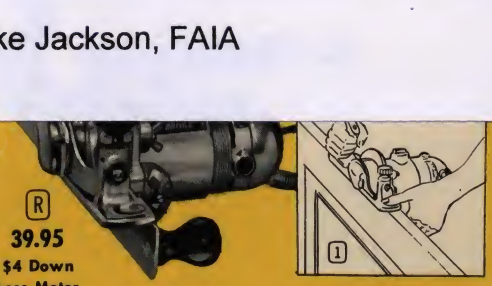
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From the collection of:

Mike Jackson, FAIA



139.95 $14 Down



39.95 $4 Down Less Motor



44.95 $4.50 Down Less Motor

(P) ***POWR-KRAFT*** **Builder's Kit.** Complete professional outfit for hanging doors, other routing and planing work. More than pays for itself in the time it saves. Specially designed lightweight, all metal templet for hinge mortising. Templet adjusts to mortise 2 or 3 hinges on wooden doors, jambs. Handles 1⅜ to 2-in. thick doors; guides router for cuts of uniform size and depth. Motor quickly interchanged for router or planer attachments. Kit includes: ¾-HP, 110–120v, UL Approved AC-DC motor; router attachment; 16-in. planer attachment; door and jamb butt templet, templet guide; arbor; 2 mortising bits; straight, circular guide; router sub-base, carrying case. *Mallable.*

84 WC 8570 MB—Complete Kit. Wt. 38 lbs. $14 Dn., Cash **$139.95**

(R) ***POWR-KRAFT*** **16-in. Power Planer.** Large capacity —for planing dressed lumber, fitting doors (see 1 above), storm windows, screens, etc. Leaves smooth waveless surface. Threaded motor housing affords micrometer depth adjustments. Unique design forces chips away from cutter. Tilts for angle planing. ¾-HP UL Appr. motor, plane arbor, 2 1/16-in. blade, wrench. Ship. wt. 10 lbs.

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Planer Attachment. (Without motor.) Wt. 4 lbs.

84 WC 8566—Fits tools (A) or (T)....Cash **$39.95**

(T) ***POWR-KRAFT*** **Power Shaper.** High speed assures smooth cuts. Mounts in any table. ¾-HP motor tilts to 45°, for many different shape cuts with same cutter. Easily mounts on table. With 5/16-in. arbor, fence, guard. Use with 5/16-in. shaper cutters. UL Appr. Wt. 16 lbs.

84 WC 8572—$8 Down, Cash **$79.95**

Shaper Attachment. Fits (A) or (R).

84 WC 8571–Wt. 11 lbs. Cash **$44.95**

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